



THOMSON REUTERS  
**EIKON**™

# PRODUCT GUIDE

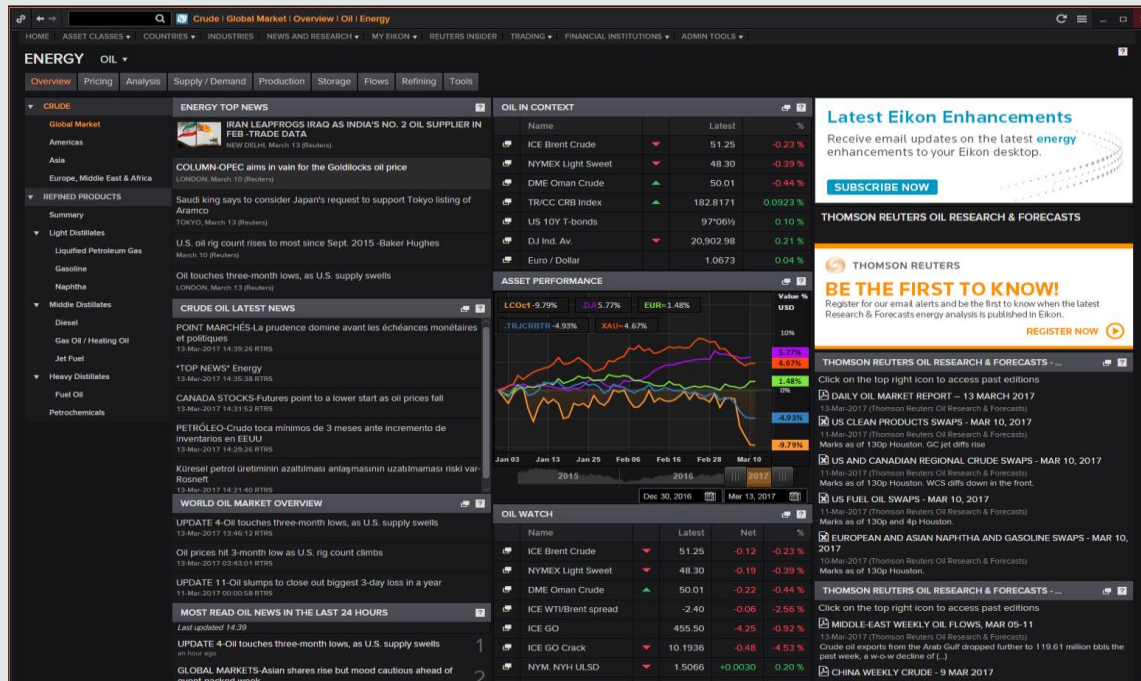


THOMSON REUTERS®

# EIKON PRODUCT GUIDE

## ENERGY: OIL | OIL

Provides a wide range of tools for analyses, research, forecast, trading and operations tailored to Energy markets.



### KEY BENEFITS

- **Get prepared** with our Commodities Week Ahead report covering the most important market expectations for the week
- **Analyze** main factors impacting price movements and supply/demand chain with Daily, Weekly and Monthly researches
- **Track** movements of commodities and demand by country in Thomson Reuters Trade Flows model
- **Visualize** statistics of supply/demand, production and storage
- **Explore** the wide range of crude oil and products prices globally both for futures and spot markets
- Widen your price coverage by switching on third party data (Platts, Argus, ICIS)
- **Monitor** refinery outages with intuitive visualization accompanied with timely news

### TARGET AUDIENCE

- Marketing and Risk analyst
- Logistics
- Trader

# EIKON PRODUCT GUIDE

## INTEREST RATE PROBABILITY | IRPR

Provides centrally calculated probabilities and expected future values for several Central Bank target interest rates. The probabilities are estimated using current STIR futures and OIS market prices and possible rate adjustments are modeled in 25bp intervals.

Central Bank	Target Rate	Next Meeting Date	Current Rate	Implied Rate	Most Probable Action	Change By	Probability (%)	Least Probable Action	Change By	Probability (%)
Federal Reserve	Fed Funds Target	26-nov-2017	1.125	1.153	NO CHANGE	-	97.5	HIKE	0.25	2.5
European Central Bank	Deposit Facility Rate	20-nov-2017	-0.40	-0.362	NO CHANGE	-	98.44	CUT	-0.10	1.56
Reserve Bank of Australia	Cash Target Rate	04-nov-2017	1.50	1.477	NO CHANGE	-	99.11	CUT	-0.25	0.89
Banco Central do Brasil	SELIC Target Rate	26-nov-2017	10.25	9.472	CUT	-0.75	89	CUT	-1.00	11
Bank of Canada	ON Target Rate	12-nov-2017	0.50	0.610	NO CHANGE	-	68.92	HIKE	0.25	31.08
Central Bank of Chile	Target Rate	13-nov-2017	2.50	2.484	NO CHANGE	-	93.71	CUT	-0.25	6.29
Czech National Bank	2 Week Repo Rate	29-nov-2017	0.05	0.010	NO CHANGE	-	99.77	CUT	-0.25	0.23
Bank of England	Bank Rate	03-dec-2017	0.25	0.238	NO CHANGE	-	89.79	HIKE	0.25	10.21
Bank of Japan	Policy Rate Balance	20-nov-2017	-0.10	-0.058	NO CHANGE	-	100	CUT	-0.20	0
Reserve Bank of New Zealand	Cash Rate	22-nov-2017	1.75	1.724	NO CHANGE	-	99.3	CUT	-0.25	0.7
National Bank of Poland	7 Day Repo Rate	05-nov-2017	1.50	1.446	NO CHANGE	-	99.66	HIKE	0.25	0.34
Banco de Mexico	Overnight Target Rate	22-nov-2017	6.75	6.868	NO CHANGE	-	52.64	HIKE	0.25	47.36
Sveriges Riksbank	Repo Rate	03-nov-2017	-0.50	-0.519	NO CHANGE	-	96.96	HIKE	0.25	3.04
Swiss National Bank	3M Target LIBOR Rate	14-dec-2017	-0.75	-0.603	NO CHANGE	-	90.31	CUT	-0.25	9.69
Central Bank of Russia	Bank of Russia Key Rate	28-nov-2017	9.25	8.535	CUT	-0.75	85.94	CUT	-0.50	14.06
Banco Central de Reserva del Peru	Overnight Target Rate	13-nov-2017	4.00	3.750	CUT	-0.25	99.88	NO CHANGE	-	0.12
Reserve Bank of India	Overnight Target Rate	02-dec-2017	6.25	5.994	CUT	-0.25	97.64	CUT	-0.50	2.36

**DESCRIPTION**

Thomson Reuters provides centrally calculated probabilities and expected future values for several Central Bank target interest rates. This app displays the probabilities for different rate decisions by each Central Bank at its next meeting. Possible rate adjustments are modeled in 25bp intervals. The probabilities are estimated using current STIR futures (where available) and OIS market prices.

For STIR futures, Thomson Reuters uses the simple probability calculation methodology. For OIS prices, it uses an absolute probability measure combined with output from the step curve analytics. At present, futures are only used in the calculation for the next meeting date.

[More details and calculation methodology are available](#)

### KEY BENEFITS

- **Monitor data** about 17 largest central banks in the world in one screen
- **Compare** current condition with most and least probable actions for the nearest meeting date
- **Get access to extended country pages** for detailed statistics
- **View** interest rate probabilities for a number of different countries, including meeting dates, implied rates and probable actions.

### TARGET AUDIENCE

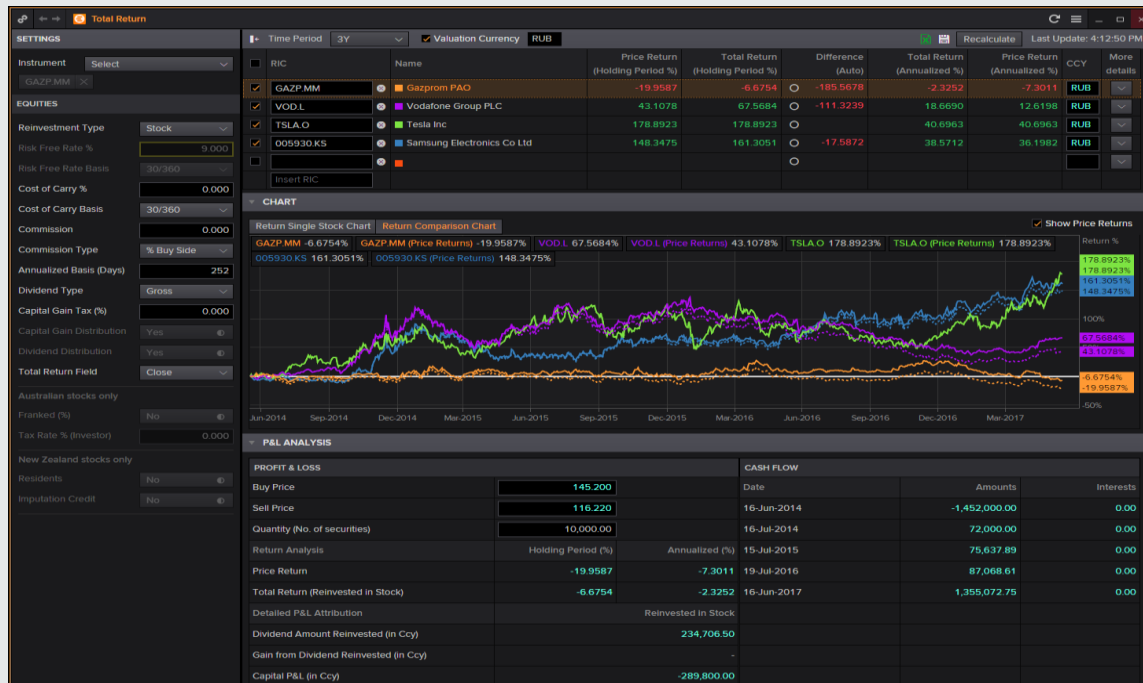
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# EIKON PRODUCT GUIDE

## TOTAL RETURN | TRTR

Easy-to-use yet powerful app that provides detailed and statistical analysis of a financial instruments performance and calculates total return for a specific custom period for cross-asset instruments.



### KEY BENEFITS

- **Calculate** total return for up to ten instruments
- **Execute** like-for-like comparison by choosing a valuation currency for instruments listed in different currencies
- **Increase transparency** by choosing how to implement cost of carry, trade commissions, and capital gains tax as well as dividend reinvestment scenarios (stock repurchase vs. earning an interest)
- **View** a detailed breakdown of positive and negative cash flows over the holding period
- **Chart** total return (with an option vs. price only return) for up to ten instruments, and compare the results

### TARGET AUDIENCE

- Equity Portfolio Manager
- Financial Advisor
- Equities Sales, Trader
- Sell-Side/Buy-Side Analyst



# EIKON PRODUCT GUIDE

## ECONOMIC INDICATORS | ECONIND

An encyclopedia of economic data that allows to look up both real-time and time series economic indicator and get its complete story



### KEY BENEFITS

- **Look-no-further tool** to get an access to complete story of any economic indicator.
- **Gain a more granular insight** into the components which make up the final GDP and CPI figures.
- **View** "First Release" data and visualize each revision alongside "point-in-time" numbers.
- **Increase transparency** by accessing the latest press release from the related statistics agency to audit the data straight from the source.
- **View** the data in chart or table format
- **Streamline your workflow** by downloading the complete history of the indicator into formula-driven Eikon Excel.

### TARGET AUDIENCE

- Economist/Strategist
- Equity Portfolio Manager
- Sell-Side/Buy-Side Analyst

# EIKON PRODUCT GUIDE

## LONG TERM ECONOMIC OUTLOOK | LTEO

The Long-term Economic Outlooks app uses the results of the latest Reuters Polls to allow you to analyze what direction is the global economy expected to take over the coming quarters / years



## KEY BENEFITS

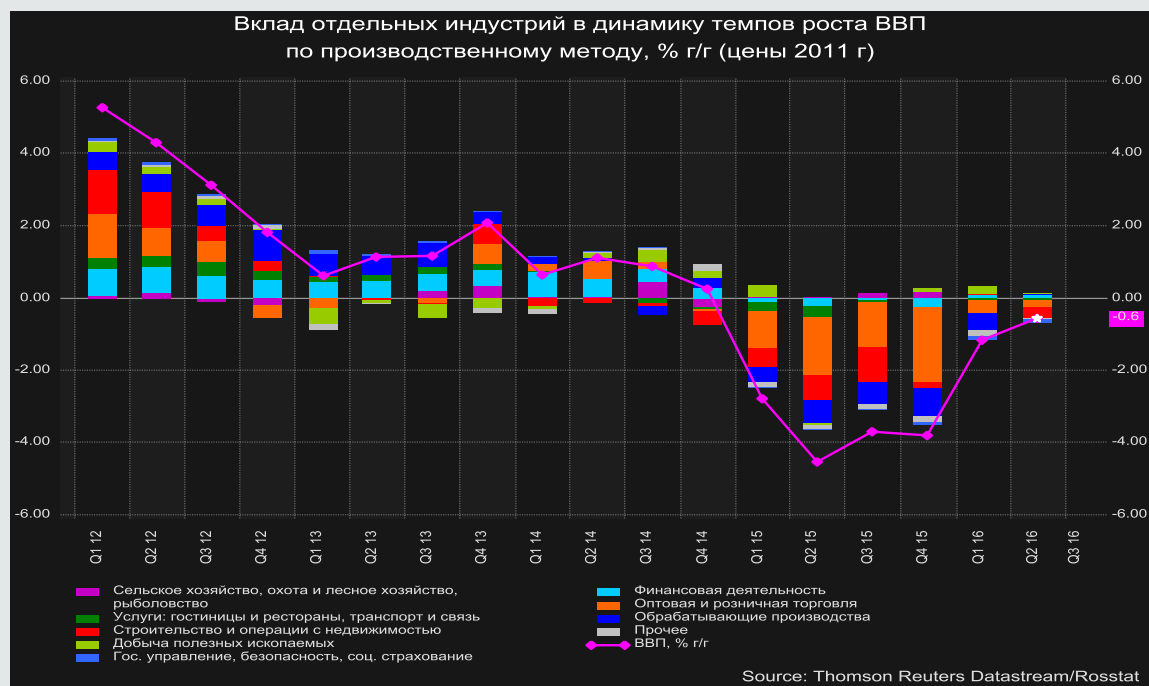
- **Utilize** renowned Reuters Polls results to monitor expectations of the global economy over the coming quarters and years
- **Save your time** by quickly looking up most wanted outlooks such as G20 GDP, G7 inflation etc.
- **Increase efficiency** by creating and saving you own tables and lists using the wealth of long-term economic outlook data available so you can revisit the latest Polls results whenever you need to
- **Audit the data** by drilling down into economic indicator poll and analysing individual contributors' estimates
- **Seamlessly export** your lists and data to Microsoft Excel for further analysis

## TARGET AUDIENCE

- Economist/Strategist
- Equity Portfolio Manager
- Sell-Side/Buy-Side Analyst

## DATASTREAM CHART | DSCHART

This application integrates unparalleled lineup of cross-asset economic and financial content, sophisticated analytics and powerful charting and publishing tools. The result? It puts every resource you need for research and decision making right how and where you need it



### KEY BENEFITS

- **One of the most comprehensive databases** gives access to market-leading cross-asset content
- **Powerful analytics** provides a range of functions to manipulate and transform the data “on the fly” so it helps increase efficiency, save time and create sophisticated dynamic models
- **Charting and visualization capabilities** help you quickly and deeply investigate the relationships of any time-series data, including global economic indicators and asset classes
- **Publishing capabilities** allow not only create visually arresting presentations but also establish dynamic links to Excel, Word or PowerPoint®, so you save your time updating your reports and presentations

### TARGET AUDIENCE

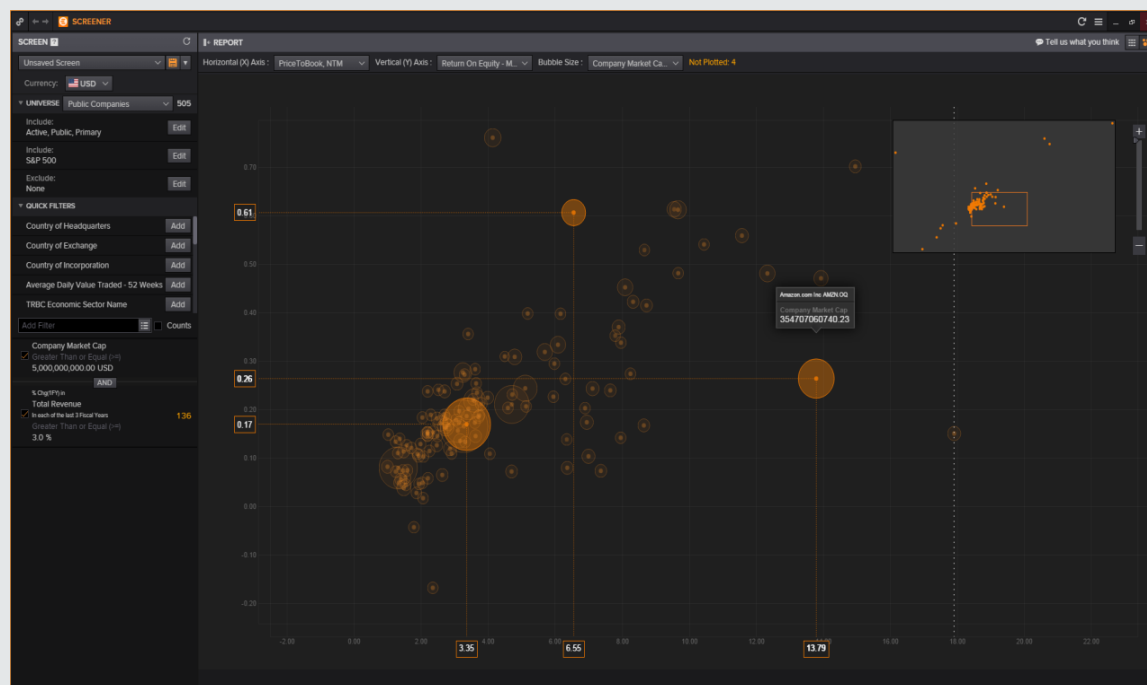
- Sell-Side/Buy-Side Analyst
- Economist/Strategist
- Portfolio Manager
- IB/Corporate Finance Professional
- Risk Department Specialist



# EIKON PRODUCT GUIDE

## SCREENER | SCREENER

Powerful and sophisticated, yet user-friendly and intuitive application is “look-no-further” idea generation tool with a special focus on searching equity investment opportunities which meet your criteria.



### KEY BENEFITS

- **Screen across a global universe** of 60,000 companies against 6,000 data items including industry specific performance indicators. You can also screen across 3.9 million Private Companies
- **Select data items** from Reuters Fundamentals, Thomson Reuters I/B/E/S Estimates, and unique content sources like StarMine Analytics
- **Use custom expressions** to calculate own multiples, ratios, growth rates and much more and screen against these variables
- **Perform basic data analysis** such as sorting, grouping, aggregation etc. using a data table and visualize the data using a scatter plot
- **Export** your screening results to Excel and save as a list
- **Multi-factor ranking** with drill downs helps you understand which factors contribute most to overall rank

### TARGET AUDIENCE

- Portfolio Manager
- Sell-Side/Buy-Side Equity Analyst
- Equity Strategist
- IB/Corporate Finance Professional
- Investor Relations Specialist

# EIKON PRODUCT GUIDE

## WATCHLIST PULSE | PULSE

Monitor activity on critical metrics for securities within you watchlists and portfolios and helps you intelligently identify key trends, price movements signals, news sentiment, upcoming events, recommendation or credit changes.

Company Name	Activity	Signal	Activity, Price and Technical Analytics				News, Events, Research and Filings				StarMine Model Scores						
			Price	Currency	Price Change	Volume	Top Trending	News Sentim.	Research	Filings	RV	ARM	EQ	CCR	Val-Mo	Price Mo	SI
3M CO			172.77	USD	+0.44%	1,782,151				1	36	48	83	96	49	81	80
ALPHABET INC			786.16	USD	+0.79%	1,529,757					19	58	77	99	17	21	92
AMAZON.COM INC			756.40	USD	+1.33%	3,653,883				10	8	36	94	89	8	63	84
AMERICAN EXPRESS CO			71.78	USD	+0.14%	3,789,341					64	81	46	37	88	53	70
AMERICAN INTERNATIONAL...			64.23	USD	+0.20%	6,181,126					77	18	25	52	68	51	86
APPLE INC			109.95	USD	-0.04%	27,607,561					64	62	73	87	66	34	83
AT&T INC			37.41	USD	+0.70%	21,176,287				2	94	19	41	67	62	35	65
BANK OF AMERICA CORP			20.08	USD	+1.67%	167,607,125					79	68	31	31	93	52	81
BOEING CO			145.33	USD	-0.76%	3,640,071					66	39	66	56	61	58	43
CATERPILLAR INC			92.78	USD	-0.61%	3,940,006					40	30	19	22	44	89	19
CHEVRON CORP			108.12	USD	-0.21%	6,627,280					78	63	25	67	79	54	67
CISCO SYSTEMS INC			30.05	USD	-4.81%	74,899,162					75	58	82	91	86	87	92
CITIGROUP INC			55.45	USD	+1.50%	24,456,079					84	40	43	27	82	47	90
COCA-COLA CO			41.12	USD	-0.34%	12,396,079					34	42	72	93	10	6	93
DOW JONES INDUSTRIAL AVE.			18,872.00	USD	+0.21%	119,041											
E I DU PONT DE NEMOURS A.			69.17	USD	+0.42%	1,877,906				1	35	65	93	50	60	75	77
EBAY INC			28.87	USD	+1.91%	8,891,370					74	45	64	79	47	30	75
EXXON MOBIL CORP			85.23	USD	-0.61%	8,171,283				1	65	25	42	71	35	52	71
FACEBOOK INC			117.79	USD	+1.25%	18,562,617					3	9	90	81	100	42	46
FEDEX CORP			185.08	USD	+0.69%	928,780					2	60	60	24	67	75	74
FORD MOTOR CO			11.87	USD	-1.08%	38,468,550				2	98	30	36	20	73	12	33
GENERAL ELECTRIC CO			30.79	USD	+0.16%	17,694,472					4	50	43	43	72	47	41
GENERAL MOTORS CO			33.42	USD	+0.57%	11,703,152						100	40	4	42	85	18
GOLDMAN SACHS GROUP INC			209.63	USD	+1.63%	3,565,481				7	74	67	8	23	87	37	84
HOME DEPOT INC			128.93	USD	+2.87%	6,743,737						31	44	92	83	36	53
HP INC			15.89	USD	+0.57%	9,622,048						89	57	97	39	94	74
INTEL CORP			35.02	USD	+0.52%	15,739,501				1	81	85	42	86	95	67	70
INTERNATIONAL BUSINESS M...			159.80	USD	+0.32%	2,260,098						82	65	79	79	91	62
JOHNSON & JOHNSON			116.57	USD	+0.18%	5,707,337						43	77	86	99	77	83

### KEY BENEFITS

- **Monitor** and review significant activities impacting companies in your portfolios and coverage lists with quick access to news, events, research and more
- **See** positive or negative movements for critical data sets such as price changes, technical indicators, news, StarMine Analytic scores and other factors all in one dashboard to help you quickly focus on what's most important
- **Be alerted** to new analyst research including recommendation changes, revisions to estimates and management changes
- **Create and modify custom reports** with your selected data items for the constituents of your chosen portfolio or list

### TARGET AUDIENCE

- Portfolio Manager
- Sell-Side/Buy-Side Analyst
- Economist/Strategist
- IB/Corporate Finance Professional
- Investor Relations Specialist

# EIKON PRODUCT GUIDE

## EARNINGS SEASON | EARN

Powerful analytical tool that allows to monitor the current earnings season as it unfolds, detailing developing trends of companies that have already reported and how these trends might impact companies that have yet to report

Universe: S&P 500 Geography: Countries (United States) Business Classification: All Market Cap: All Reporting Period: Quarterly

Reported Summary

Q4 EARNINGS SEASON REPORT - USD

Identifier	% Reported	Earnings Summary			Revenue Summary			Preferred Earnings			Earnings-Based Price Reaction -2d			Revenue			Revenue-Based Price Reaction -2d			
		% Beat	% Met	% Missed	% Beat	% Met	% Missed	Q4 2017 Surprise	Q4 2017 YoY Growth	Q1 Earnings Revisions Mean Chg % -30d	Beat	Met	Missed	Q4 2017 Surprise	Q4 2017 YoY Growth	Q1 Revenue Mean Chg % -30d	Beat	Met	Missed	
All Economic Sectors (503)	21%	69%	13%	18%	47%		52%	3.5%	11.0%	-1.4%	-0.1%	-1.1%	-1.6%	0.0%	1.8%	-0.1%	-0.2%			
Energy (35)	11%	50%		50%	50%		50%	9.1%	-53.6%	-1.0%	-0.6%	-0.8%		-0.2%	-11.2%	-0.8%	-0.9%			-0.5%
Basic Materials (22)	14%	67%		33%	100%			-12.9%	73.7%	-1.4%	2.3%		8.3%	-1.1%	0.9%	-1.1%				4.3%
Industrials (69)	33%	61%	13%	26%	48%		52%	2.3%	3.2%	-7.8%	1.2%	-1.3%	0.5%	0.1%	1.7%	-0.5%	0.9%			-0.2%
Consumer Cyclical (91)	12%	64%	9%	27%	45%		55%	4.1%	11.0%	-0.4%	0.9%	0.3%	-1.1%	0.0%	4.0%	-0.1%	0.8%			-0.2%
Consumer Non-Cyclical (43)	19%	75%	13%	13%	25%		75%	3.8%	7.8%	-2.1%	1.8%	1.0%	-3.2%	-0.5%	-2.0%	-1.1%	2.4%			0.0%
Financials (91)	35%	59%	16%	22%	41%		59%	5.2%	17.6%	0.2%	-0.9%	-1.6%	-0.1%	-0.3%	2.2%	0.2%	-1.0%			-0.8%
Healthcare (55)	11%	83%		17%	67%		33%	1.2%	16.8%	1.7%	-1.4%	-0.1%		0.1%	6.9%	1.4%	-0.6%			-1.7%
Technology (62)	26%	100%			69%		31%	5.1%	11.1%	0.3%	0.0%			0.7%	4.8%	0.0%	0.7%			-1.3%
Telecommunications Service...	17%	100%			100%			-3.8%	-3.4%	-2.4%			-4.9%	0.8%	-5.6%	-1.2%	-4.9%			
Utilities (29)	0%																			

Expand All

Includes data for FQ ending Nov 2016 - Jan 2017.

### KEY BENEFITS

- **Display and analyse** data at aggregate and company level to identify opportunities and support investment idea generation
- **Visualize** near real-time summary stats on the percentage of companies that have beaten, met or missed earnings expectations
- **Gain more insight** during earnings season by viewing recent analyst revisions to the current period estimates
- **Quickly switch** between high-level indicators and underlying calculations for in-depth analysis

### TARGET AUDIENCE

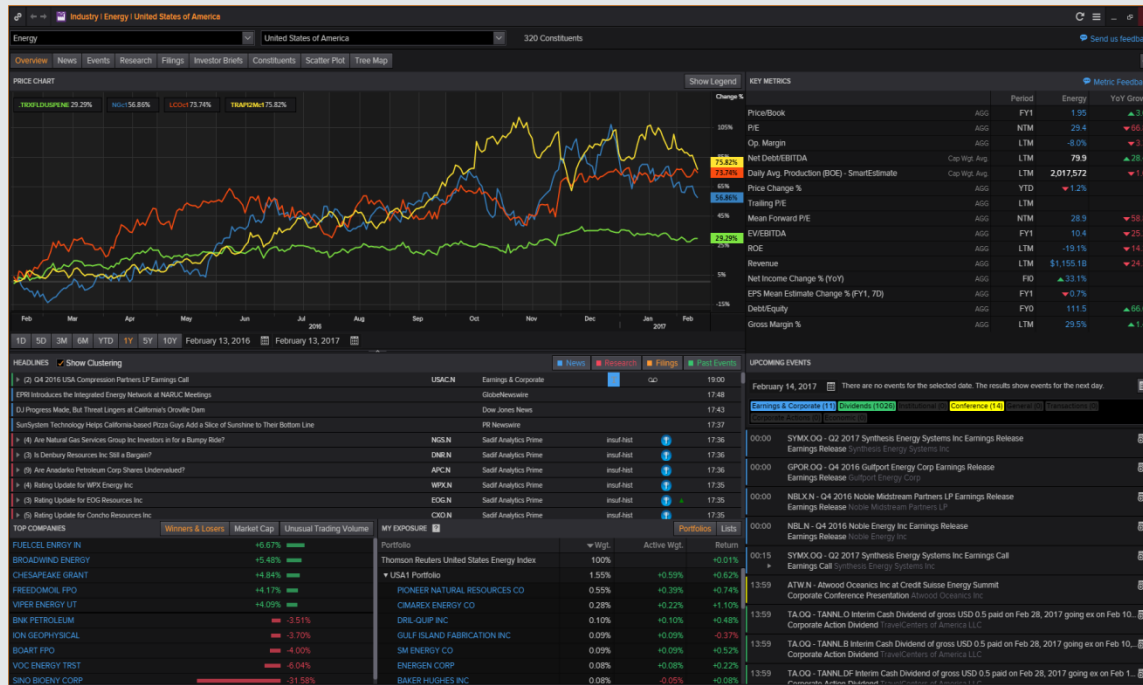
- Equity Portfolio Manager
- Financial Advisor
- Equities Sales, Trader
- Economist/Strategist
- Sell-Side/Buy-Side Analyst



# EIKON PRODUCT GUIDE

## INDUSTRY | INDUS

Provides a quick and easy way to view consolidated industry activity, monitor market moving information and discover important insight relevant to selected economic sector or its individual constituents.



## KEY BENEFITS

- **Seamlessly switch** between selected industry and geography to view consolidated industry activity
- **Display and analyse** aggregate data to view key financials and multiples from the selected universe as well as drill down into these figures to audit underlying calculations
- **Navigate** between events, research, news and filings to stay on top of any vital information
- **Synchronize** upcoming industry events with Outlook calendar
- **Gain more insight** by visualizing raw data on Scatter Plot and Tree Map

## TARGET AUDIENCE

- Equity Portfolio Manager
- Financial Advisor
- Equities Sales, Trader
- Investment Banking Professional
- Investor Relations/Public Relations
- Economist/Strategist
- Sell-Side/Buy-Side Analyst

# EIKON PRODUCT GUIDE

## SWAP PRICER | SWPR

Single entry point for interest rate derivatives calculations, including IRS, CCS and CBS, which reflects current market conditions, incorporates credit risk assessment of counterparties and allows full control over swap payment structure

The screenshot displays the Swap Pricer Calculator interface for a RUB swap. The main structure is as follows:

1ST LEG	2ND LEG	SWAP RESULTS
<b>Pay</b>   RUB   <b>FIXED</b>   Interest Rate   Notional Element Type / Pay Freq: Fixed   Annual Start / End Date: Feb 6, 2017   Feb 7, 2022 Cpn. / Accrued Type: Act/365 prop   Act/365 prop	<b>RECEIVE</b>   RUB   <b>FLOAT</b>   Interest Rate   Notional Element Type / Pay Freq: Float   Quarterly Start / End Date: Feb 6, 2017   Feb 7, 2022 Underlying / Reset Type: Fixing   In Advance Index Name / Fixing Date: RTE MOSPRIME   Feb 3, 2017 Index Tenor / Reset Freq: 3M   Quarterly Cpn. / Accrued Type: MM Act/Act   MM Act/Act Rate RUB RTE MOSPRIL 3M 10.4900%	<b>SOLVE FOR</b>   1st Leg <b>VALUATION</b> NPV: 0.00 Premium: 0.00 Par Rate (%): 8.6300 Principal Value: 0.00 Accrued: 0.00 Market Value: 0.00 <b>RISK</b> DV01: -3,740.67 Annuity: -3,926.87 Modified Duration: -3.71 BP DV01: -3.74 <b>CREDIT ADJUSTMENT</b> <b>BOND EQUIVALENT NOMINAL</b> Bond: RUSYT=RR Nominal: -9,559,285.06
<b>LEG RESULTS</b>   BID / ASK SPREAD Fixed Rate (%): 8.6300   0.00 (bps) NPV / Premium: -3,388,889.50   -33.89 Accrued: 0.00 Market Value: -10,077,978.95	<b>LEG RESULTS</b> Spread (bp): 0.0000 NPV / Premium: 3,388,889.50   33.89 Accrued: 0.00 Market Value: 10,077,978.95	
<b>RISK</b> PVBP / DV01: -891.22   -3,984.62	<b>RISK</b> PVBP / DV01: -2,849.45   243.94	

### KEY BENEFITS

- **Solve** for fixed leg rate, floating leg spread, or the NPV
- **Calculate** the premium, accrued interest, market value, and sensitivity of individual legs
- **Set coupon payment structures** of both legs, including irregular coupons
- **Select** among a variety of sources for different inputs involved in calculations
- **Calculate CVA and DVA** based on multiple measures of default risk
- **Store calculated swap results** in custom portfolio of instruments
- **Export** calculation results to MS Excel for further analysis

### TARGET AUDIENCE

- Corporate Treasurers
- Sell-Side/Buy-Side Analysts
- Strategists
- Senior/Junior Dealers
- FX Sales

# EIKON PRODUCT GUIDE

## ECONOMIC MONITOR | EM

This real-time monitoring of economic data releases combined with central bank/political events as well as government debt auctions gives you comprehensive economic data coverage to help you see what is affecting the market and impacting your trading day

The screenshot displays the Economic Monitor interface with a table of economic events and a news feed. The table columns include Local Date, Count, Local Time, Indicator Name, Period, Reuters Poll, Actual, Surprise, Prior, Revised, Min, Max, Count, Smart Estimat., and Predict. Surprise. The news feed at the bottom shows Reuters news for Germany Producer Prices YY.

Local Date	Count	Local Time	Indicator Name	Period	Reuters Poll	Actual	Surprise	Prior	Revised	Min	Max	Count	Smart Estimat.	Predict. Surprise
17 Nov	13:30		Philly Fed New Orders	Nov		18.60		16.30						
17 Nov	13:30		Securities Cdm. C\$ MM	Sep		1.818		1.608						
17 Nov	13:30		Securities Foreign C\$ MM	Sep		11.778		12.748	12.758					
17 Nov	15:30		EIA- Nat Gas, Change Bfd	w/e	318	308	-1.08	548		248	438	19	23.28	-0.88
17 Nov	16:30		Cleveland Fed CPI	Oct		0.2%		0.2%						
18 Nov	07:00		Producer Prices MM	Oct	0.1%		-0.2%			0.0%	0.4%	13	0.14%	0.04%
18 Nov	07:00		Producer Prices YY	Oct	-0.9%		-1.4%			-1.1%	-0.7%	13	-0.92%	-0.02%
18 Nov	13:30		CPI Inflation MM	Oct	0.2%		0.1%			0.0%	0.4%	24	1.50%	0.05%
18 Nov	13:30		CPI Inflation YY	Oct	1.5%		1.3%			1.3%	1.7%	24	1.50%	0.00%
18 Nov	13:30		CPI BoC Core YY	Oct	1.8%		1.8%			1.6%	2.0%	23	1.80%	0.00%
18 Nov	13:30		CPI BoC Core MM	Oct	0.2%		0.2%			0.1%	0.4%	21	0.25%	0.05%
18 Nov	13:30		CPI MM SA	Oct			0.2%							
18 Nov	13:30		Core CPI MM SA	Oct			0.1%							
18 Nov	15:00		Leading Index Chg MM	Oct	0.1%		0.2%			-0.2%	0.2%	33	0.05%	-0.05%
18 Nov	15:30		ECRI Weekly Index	w/e			138.6							
18 Nov	15:30		ECRI Weekly Annualized	w/e			6.7%							
18 Nov	16:00		KC Fed Manufacturing	Nov			18							
18 Nov	16:00		KC Fed Composite Index	Nov			6							
18 Nov	20:00		USDA-Cattle Placed On Fd	Oct	95.7%		97.0%			89.9%	103.8%	10	95.48%	0.08%
18 Nov	20:00		USDA-Cattle Marketed	Oct	104.7%		97.0%			103.1%	106.5%	10	104.65%	0.05%
18 Nov	20:00		USDA-Cattle On Feed	Nov	99.0%		102.0%			97.7%	100.8%	10	98.93%	-0.21%

REUTERS NEWS FOR GERMANY PRODUCER PRICES YY

30 Oct 2016

07:01:01 RTRS TABLE-German Sept PPI -0.2 pct m/m, -1.4 pct y/y

07:00:00 RTRS GERMAN SEPT PPI -0.2 PCT MM, -1.4 PCT YY (VS AUG -0.1 PCT MM, -1.6 PCT YY) - STATISTICS OFFICE DEPPY-ECI DEPPY-ECI

30 Sep 2016

07:02:36 RTRS TABLE-German August PPI -0.1 pct m/m, -1.6 pct y/y

07:00:00 RTRS GERMAN AUG PPI -0.1 PCT MM, -1.6 PCT YY (VS JULY +0.2 MM, -2.0 PCT YY) - STATISTICS OFFICE DEPPY-ECI DEPPY-ECI

19 Aug 2016

07:01:54 RTRS TABLE-German July PPI up +0.2 pct m/m, -2.0 pct y/y

07:00:00 RTRS GERMAN JULY PPI +0.2 PCT MM, -2.0 PCT YY (VS JUNE +0.4 PCT MM, -2.2 PCT YY) - STATISTICS OFFICE DEPPY-ECI DEPPY-ECI

30 Jul 2016

## KEY BENEFITS

- **Track** all global macroeconomic indicator updates in a simple fully customizable calendar interface
- **Easily set up** calendar updates in MS Outlook and create alerts for all economic events so you will never miss important release
- Quickly **compare and contrast** results with consensus estimates to identify market-moving positive/negative surprises
- **Easily navigate** from calendar view to indicator historical data/chart and news for deeper analysis
- **Seamlessly switch** between economic events and central bank and political events to get comprehensive context for developing your own economic and market scenarios.

## TARGET AUDIENCE

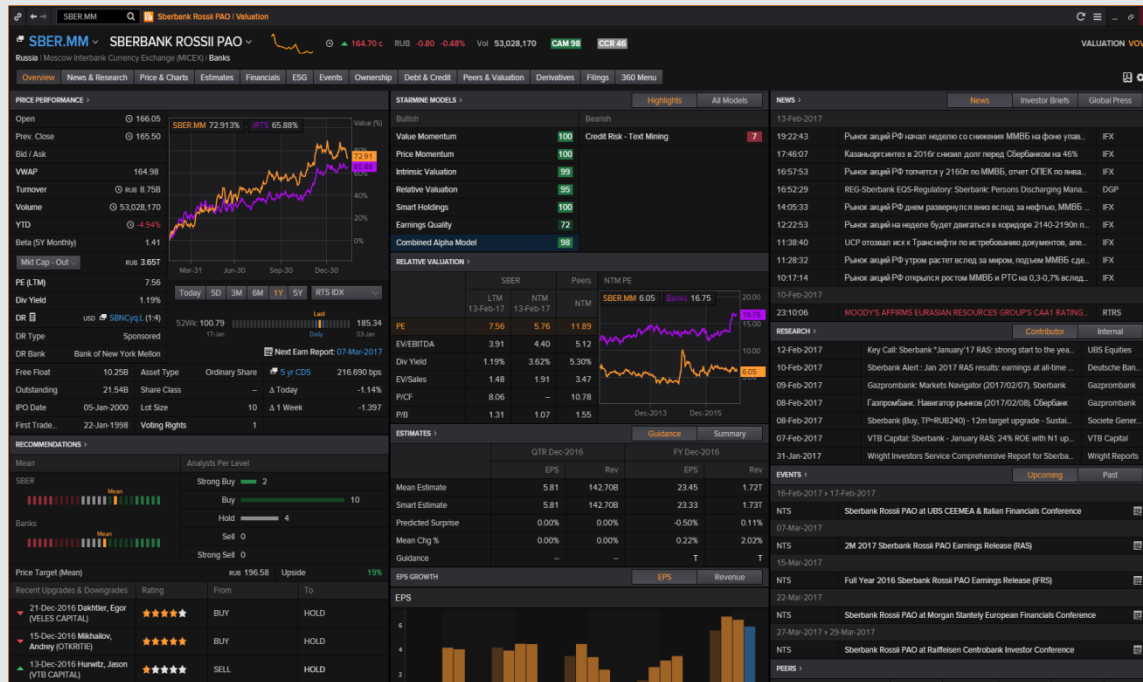
- FX Sales, Trader
- FI Sales, Trader
- Equities Sales, Trader
- Economist/Strategist
- Portfolio Manager



# EIKON PRODUCT GUIDE

## COMPANY OVERVIEW | OV

“One-stop shop” company analysis application that allows to investigate in-depth data relating to an individual company as well as company value in relation to its peers.



## KEY BENEFITS

- Easily deep dive into key content relevant to the company of your interest
- **Seamlessly navigate** between industry-standard differentiated content including estimates, fundamentals, guidance, events, filings, deals, news and much more
- **Display and analyse peer comparison** data to view key financials, ratios and multiples as well as drill down further into these figures to audit underlying calculations
- **Get competitive edge** with an access to StarMine Analytical models to gain a better view of a company. Understand which models are giving bearish or bullish signals. Identify which companies need further investigation

## TARGET AUDIENCE

- Equity Portfolio Manager
- Financial Advisor
- Equities Sales, Trader
- Investment Banking Professional
- Investor Relations/Public Relations
- Sell-Side/Buy-Side Analyst

# EIKON PRODUCT GUIDE

## AGGREGATES | AGGR

Powerful tool offering a top-down analysis of the market. It enables comparison between business sectors, geographies and portfolios to support asset allocation and idea generation.

The screenshot shows the Eikon AGGR interface. The top bar indicates the report is for 'All Active Equities' in 'Countries (Russia)'. The main table displays financial metrics for various sectors and sub-sectors. The metrics include P/E, Enterprise Value to EBITDA, Enterprise Value to Sales, Price to Cash Flow, Price to Book Value, Dividend Yield, Net Profit Margin, and Operating Margin. Values are color-coded: green for positive and red for negative.

	P/E (Daily Time Series Ratio)	Enterprise Value To EBITDA (Daily Time Series Ratio)	Enterprise Value To Sales (Daily Time Series Ratio)	Price To Cash Flow Per Share (Daily Time...	Price To Book Value Per Share (Daily Time Seri...	Dividend Yield, Percent, LFY	Net Profit Margin, (%) (CY2015)	Operating Margin, Percent (CY2015)
All	14.83	5.57	1.42	4.88	1.55	2.12%	9.66%	15.50%
Energy (33)	6.32	4.98	1.26	3.78	0.65	3.38%	14.40%	19.00%
Basic Materials (55)	9.84	6.73	2.36	6.75	3.93	4.95%	6.80%	23.49%
Consumer Non-Cyclicals (14)	17.35	9.90	0.85	11.74	3.40	5.60%	4.29%	7.05%
Financials (29)	9.84	5.39	2.11	7.13	1.17	2.36%	8.52%	11.81%
Healthcare (3)	3.99	2.59	0.79	7.12	0.82		25.50%	32.49%
Technology (2)	23.38	18.69	6.60	21.42	1.63		8.17%	15.80%
Telecommunications Services (6)	14.12	4.90	1.74	4.05	1.48	7.91%	10.94%	19.97%
Utilities (39)	7.08	5.04	1.11	3.29	0.49	1.77%	5.44%	6.91%
Industrials (48)		7.45	1.26	20.41	25.90	0.15%	-4.33%	5.39%
Consumer Cyclical (14)		32.80	1.36	27.48		2.41%	-10.49%	-9.41%

## KEY BENEFITS

- **Easily customize and run the report** that intelligently combines the attributes of individual stocks to measure an overall characteristic of a set of stocks. Input values are normalized and converted to a single currency
- **Gain insight** by answering questions, such as:
  - Which emerging markets are estimated to have the highest growth?
  - Are energy stocks cheap?
- **Quickly recognize** top/bottom performers, undervalued/overvalued assets with highlight option
- Deep dive into aggregate matrix to audit underlying calculations
- **Seamlessly export** filters and data to Microsoft Excel for further analysis

## TARGET AUDIENCE

- Equity Portfolio Manager
- Financial Advisor
- Equities Sales, Trader
- Investment Banking Professional
- Sell-Side/Buy-Side Analyst

# EIKON PRODUCT GUIDE

## EVENTS SEARCH | ADVEV

Fully customizable and intuitive searching tool that powerfully combines modern searching capabilities with industry leading differentiated content so you can quickly locate historical and upcoming events details and never miss an important market moving action.

The screenshot displays the 'Advanced Events Search' interface. On the left, there are various filters including 'Event Name only', 'Event Date', 'Sort Search By', 'Event Type', 'RIC Company/Portfolio List', 'Industry', 'Country', 'Content Type', and 'Last Update: Mar 6 2017 5:35 PM'. The main area shows a table of search results with columns for Date, Event Type, RIC, Event Name, Dial-In, and Time. The results are categorized under 'Earnings & Corporate (569)'. Below the table, there are sections for 'Dividends (745)', 'Institutional (52)', 'Conference (370)', 'General (1,597)', and 'Transactions (267)'. A 'Corporate Actions (9)' section is also visible at the bottom.

Date	Event Type	RIC	Event Name	Dial-In	Time
06-Feb-2017	Sales Release	FAST.OG	January 2017 Fastenal Co Corporate Sales Release		15:00
06-Feb-2017	Earnings Release	NWL.N	Q4 2016 Newell Brands Inc <a href="#">Earnings Release</a>		BMO
06-Feb-2017	Earnings Release	LN	Q4 2016 Loews Corp <a href="#">Earnings Release</a>		BMO
06-Feb-2017	Earnings Release	HAS.OG	Q4 2016 Hasbro Inc <a href="#">Earnings Release</a>		BMO
06-Feb-2017	Earnings Conference Call	HAS.OG	Q4 2016 Hasbro Inc <a href="#">Earnings Call</a>		16:30
06-Feb-2017	Earnings Conference Call	NWL.N	Q4 2016 Newell Brands Inc <a href="#">Earnings Call</a>		16:30
06-Feb-2017	Earnings Release	TSN.N	Q1 2017 Tyson Foods Inc <a href="#">Earnings Release</a>		BMO
06-Feb-2017	Earnings Release	SYN.H	Q2 2017 Sysco Corp <a href="#">Earnings Release</a>		BMO
06-Feb-2017	Earnings Conference Call	TSN.N	Q1 2017 Tyson Foods Inc <a href="#">Earnings Call</a>	REPLAY: 877-344-75	
06-Feb-2017	Annual Shareholders Me...	VIAB.OG	Viscom Inc Annual Shareholders Meeting		17:00
06-Feb-2017	Earnings Conference Call	LN	Q4 2016 Loews Corp <a href="#">Earnings Call</a>	REPLAY: (801) 985-R PASS 48193368	19:00
06-Feb-2017	Earnings Conference Call	SYN.N	Q2 2017 Sysco Corp <a href="#">Earnings Call</a>		19:30
07-Feb-2017	Earnings Release	FOXA.OG	Q2 2017 Twenty-First Century Fox Inc <a href="#">Earnings Release</a>		00:00
07-Feb-2017	Earnings Release	MAC.N	Q4 2016 Macerich Co <a href="#">Earnings Release</a>		AMC
07-Feb-2017	Earnings Release	TSO.N	Q4 2016 Tesoro Corp <a href="#">Earnings Release</a>		AMC
07-Feb-2017	Earnings Release	FMC.N	Q4 2016 FMC Corp <a href="#">Earnings Release</a>		AMC
07-Feb-2017	Sales Release	GPS.N	January 2017 Gap Inc Corporate Sales Release		00:15
07-Feb-2017	Sales Conference Call	GPS.N	January 2017 Gap Inc Pre Recorded Sales Call	REPLAY: 800-427-63	00:15
07-Feb-2017	Earnings Conference Call	FOXA.OG	Q2 2017 Twenty-First Century Fox Inc <a href="#">Earnings Call</a>		00:30
07-Feb-2017	Sales Release	URBN.OG	Q4 2017 Urban Outfitters Inc Corporate Sales Release		NTS

## KEY BENEFITS

- **Never miss** any vital information with an access to comprehensive events data such as transcripts, estimates, guidance, conference call recordings, management presentations as well as court lawsuits
- **Increase productivity** by quickly narrowing results to a specific Event type, companies universe and time period
- **Group** the results and **highlight** keywords from the results
- **Plan your time efficiently** by adding upcoming events to outlook and synchronizing so that event details are updated automatically if there are any changes
- There are over 61 million historical and future events with nearly 64,000 added daily.

## TARGET AUDIENCE

- Equity Portfolio Manager
- Financial Advisor
- Equities Sales, Trader
- Investment Banking Professional
- Investor Relations/Public Relations
- Economist/Strategist
- Sell-Side/Buy-Side Analyst



# EIKON PRODUCT GUIDE

## LEAGUE TABLES | LEAGT

Industry leading rankings of investment banks and law firms published by dozens of media outlets worldwide, provide insight into market trends, the ability to benchmark versus peers and useful scoring across many types of ad hoc internal reporting.

The screenshot shows the Eikon Deals League Table interface. The table displays rankings for various investment banks based on their involvement in announced financial deals. The columns include Rank, YoY change, Advisor, Rank Value (US\$ m), Rank Value YoY change, Market Share %, Market Share YoY change, Number of Deals, and YoY change in deals.

Rank by Value		Advisor	Rank Value per Advisor				Number of Deals per Advisor	
Rank	YoY Δ		Rank Value (US\$ m)	Rank Value YoY Δ	Market Share %	Market Share YoY Δ	# of Deals	YoY Δ
1	=	VTB Capital	24,929.4	+133.3%▲	43.4	+13.1%▲	15	+2▲
2	+11▲	Banca IMI (Intesa Sanpaolo)	16,081.3	+784.8%▲	28.0	+22.8%▲	2	+1▲
3	+3▲	Bank of America Merrill Lynch	11,516.5	+179.0%▲	20.0	+8.3%▲	2	-3▼
4	-	UBS	6,453.6	-	11.2	-	1	-
5	-	Arpwood Capital	6,324.6	-	11.0	-	1	-
6	+14▲	Sberbank CIB	6,044.7	+596.7%▲	10.5	+8.0%▲	3	-8▼
7	+1▲	Rothschild & Co	3,262.4	+18.2%▲	5.7	-2.1%▼	4	-6▼
8	+5▲	Goldman Sachs & Co	1,627.1	-10.5%▼	2.8	-2.4%▼	2	+1▲
9	+21▲	BNP Paribas SA	1,100.0	-	1.9	+1.9%▲	1	=
10	-5▼	Citi	1,093.7	-76.1%▼	1.9	-11.1%▼	2	-4▼
11	-2▼	Xenon Capital Partners	1,061.0	-57.7%▼	1.8	-5.3%▼	1	-2▼
12	+11▲	KPMG	753.9	+147.2%▲	1.3	+0.4%▲	5	-1▼
13	-2▼	Morgan Stanley	740.0	-62.4%▼	1.3	-4.3%▼	2	-2▼
14	-2▼	Deutsche Bank	682.1	-62.6%▼	1.2	-4.0%▼	1	-3▼
		Subtotal with Financial Advisor	40,107.4	+111.2%▲	69.8	+15.9%▲	51	-26▼
		Subtotal without Financial Advisor	17,391.7	+7.0%▲	30.2	-15.9%▼	1,772	+1▲
		Industry Total	57,499.0	+63.1%▲	100.0	+0.0%	1,823	-25▼

### KEY BENEFITS

- Quickly and easily display industry standard M&A, Bond, Equity, and Syndicated Loans League Table rankings
- Utilize user-friendly interface to seamlessly reach deal summary statistics by rank value
- Gain more insight with data analysis at aggregate or deal-by-deal level to identify market trends and valuations used in the deal
- Quickly switch between high-level rankings and underlying deals for in-depth analysis
- Access even more powerful tools with Excel report builder to execute volume analysis and automate the whole process.

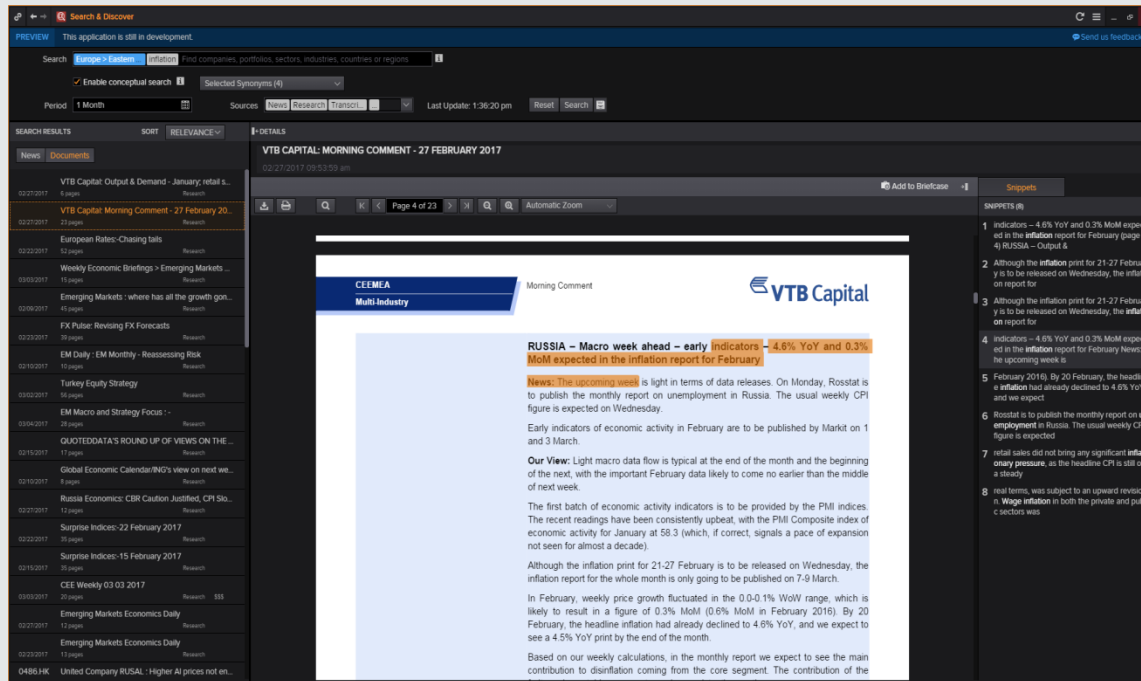
### TARGET AUDIENCE

- Investment Banker
- Investor Relations Professional
- Economist/Strategist
- Public Relations Professional

# EIKON PRODUCT GUIDE

## SEARCH & DISCOVER | SD

Intelligent application that allows users to save time and find more specific and detailed information by searching across financial news, investment research, transcripts and briefs in one workflow using broad range of criteria.



## KEY BENEFITS

- **Increase productivity** with one click search across multiple financial unstructured content sets
- **Save time** and ensure that no vital inputs to analysis are missed by using intelligent search to efficiently find relevant information
- **Get more related results** by enabling conceptual search with up to 10 synonyms to choose from
- **Uncover important information faster** by utilizing snippets to get insight from the related part of the source document

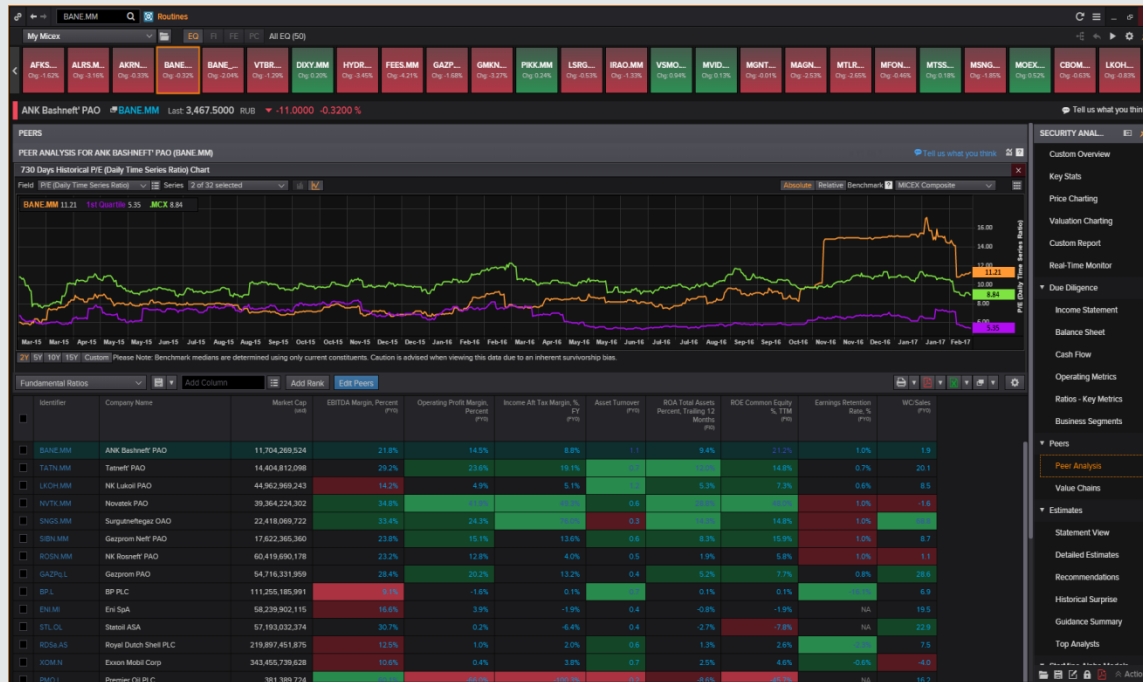
## TARGET AUDIENCE

- Equity Portfolio Manager
- Financial Advisor
- Equities Sales, Trader
- Investment Banking Professional
- Economist/Strategist
- Sell-Side/Buy-Side Analyst

# EIKON PRODUCT GUIDE

## ROUTINES | RTNE

Comprehensive portfolio monitoring app enables quickly and easily navigate to critical pages and tools that will streamline your daily workflow and increase productivity. It's never been easier to track and value securities in your equity, fixed income, fund and ETF portfolios.



## KEY BENEFITS

- **Increase productivity** by building and streamlining your daily portfolio monitoring workflow
- Click on an asset to place it into context and begin your analysis or start a slideshow for automatic security switch
- **Generate** a PDF by merging data into one document that can quickly and easily be shared with colleagues and clients. This option enables the creation of a single security PDF output in order to avoid corporate email size limitations
- **Save time** by choosing from a number of pre-defined Routine templates or build your own from scratch for an unparalleled level of tailoring to your workflow

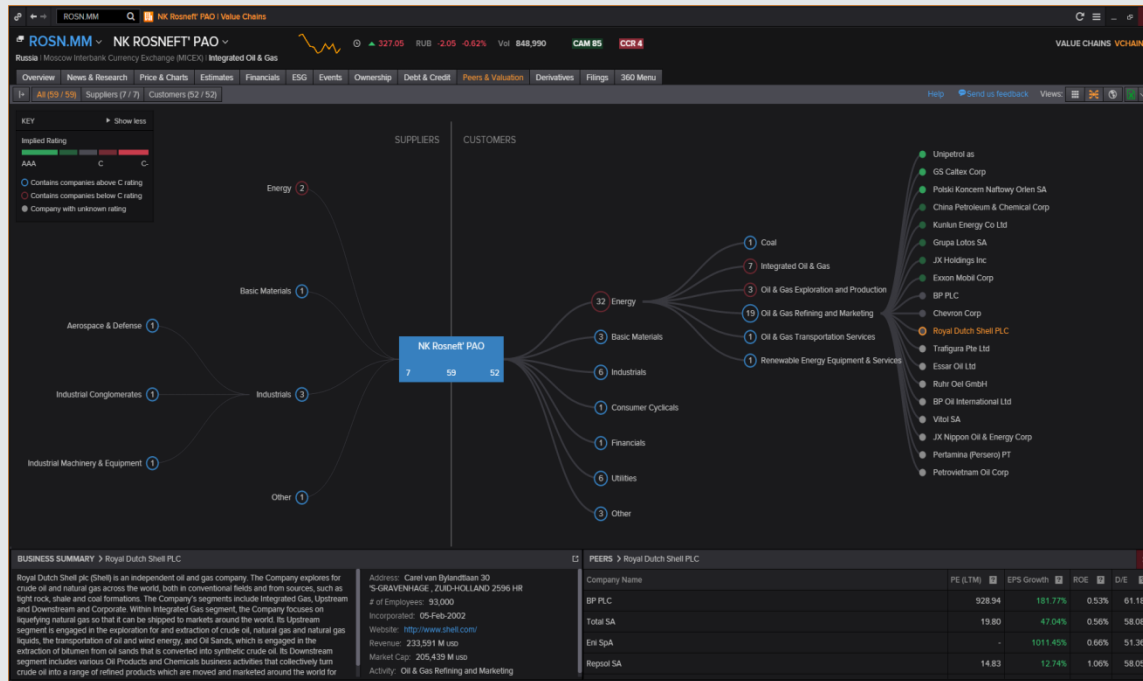
## TARGET AUDIENCE

- Equity Portfolio Manager
- Financial Advisor
- Equities Sales, Trader
- Sell-Side/Buy-Side Analyst

# EIKON PRODUCT GUIDE

## VALUE CHAINS | VCHAINS

Tool that provides comprehensive picture of the inter-connected system of relationships between companies and associated risks and opportunities.



## KEY BENEFITS

- **Gain insights** into the risks that might affect a company's financial performance by identifying and analysing relationships with customers and suppliers
- **Identify consolidation opportunities and synergies** between companies to drive new M&A ideas and opportunities
- **Gather competitive intelligence** about companies peers
- **Identify opportunities** to finance the books of suppliers
- **Spot investment opportunities** as well as associated risks by breaking down company's suppliers and customers by industry or geography and quickly focus attention on credit risks

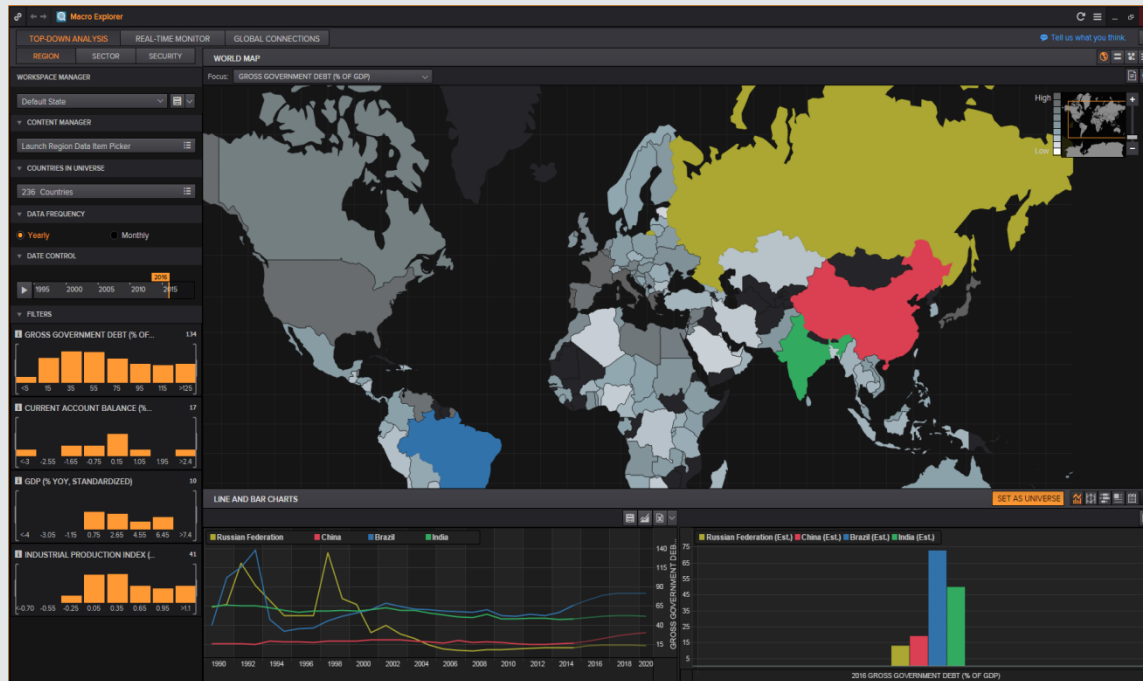
## TARGET AUDIENCE

- Equity Portfolio Manager
- M&A Banker
- Research Analyst
- Corporate Strategist
- Trade Finance Practitioner

# EIKON PRODUCT GUIDE

## MACRO EXPLORER | **MACROX**

Next generation App that helps you identify investment opportunities and execute on-the-fly comparison analysis thanks to its compelling macroeconomic data visualization features that let you effortlessly explore the extensive database of content.



### KEY BENEFITS

- Utilize **innovative visual experience** to identify investment opportunities and monitor real-time market performance
- Get a **competitive advantage** with access to one of the most comprehensive sources of macroeconomic content
- **Appreciate** variety of market selection filters to gain historical insight across markets and select markets based on performance
- **Search for deeper trends** and multiple indicator comparisons using moving grids and scatter plots
- **Intelligently Compare** countries, sectors, and securities within selected regions, and navigate to country/sector/company overview pages for further investigation
- **Seamlessly export** filters and data to Microsoft Excel for further analysis

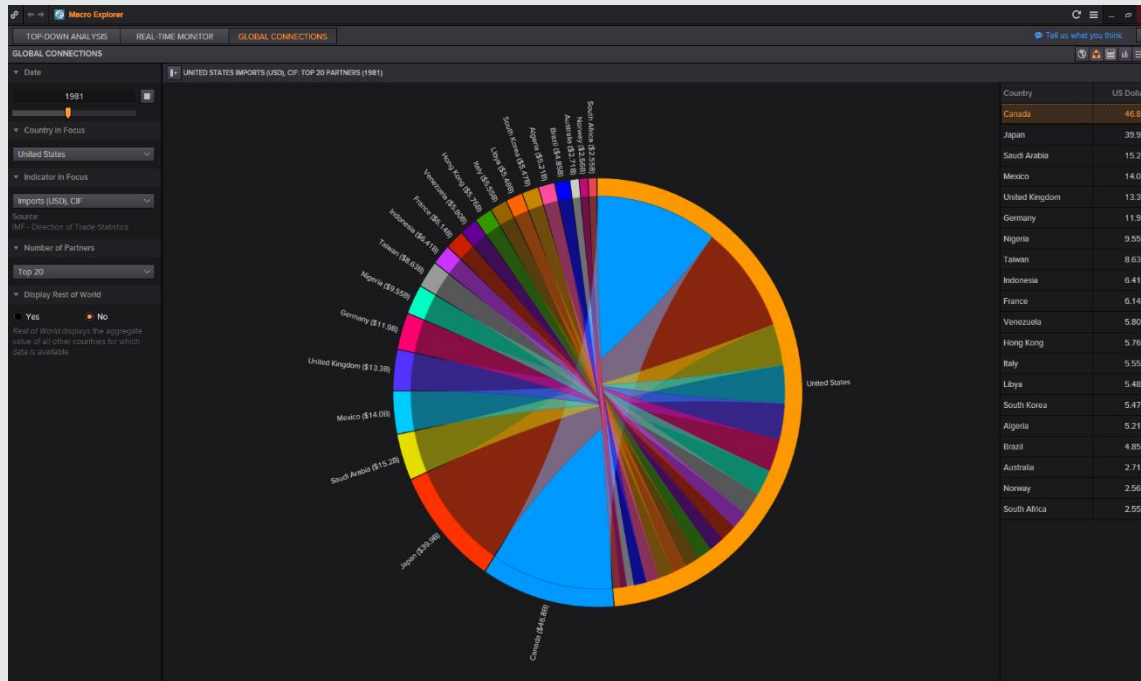
### TARGET AUDIENCE

- Economist/Strategist
- Equity Portfolio Manager
- Equities Sales, Trader
- Sell-Side/Buy-Side Analyst

# EIKON PRODUCT GUIDE

## GLOBAL CONNECTIONS | GCONN

Powerful visualization tool which displays comparative trade data between countries from various angles.



### KEY BENEFITS

- **Quickly find out** the full list of trading partners for import, export, or net trade of your focus country, and view how these trade flows evolve over time
- **Appreciate** variety of visualizations to explore trade connections from various angles
- **Follow the evolution** of trading partnerships in percentage terms for a particular date range thanks to Stacked Area view or analyze trade data for a particular year thanks to Bar view
- **Intelligently discover** up to 65 years of trading data sourced from IMF at a glance
- **Seamlessly export** data to Microsoft Excel for further analysis

### TARGET AUDIENCE

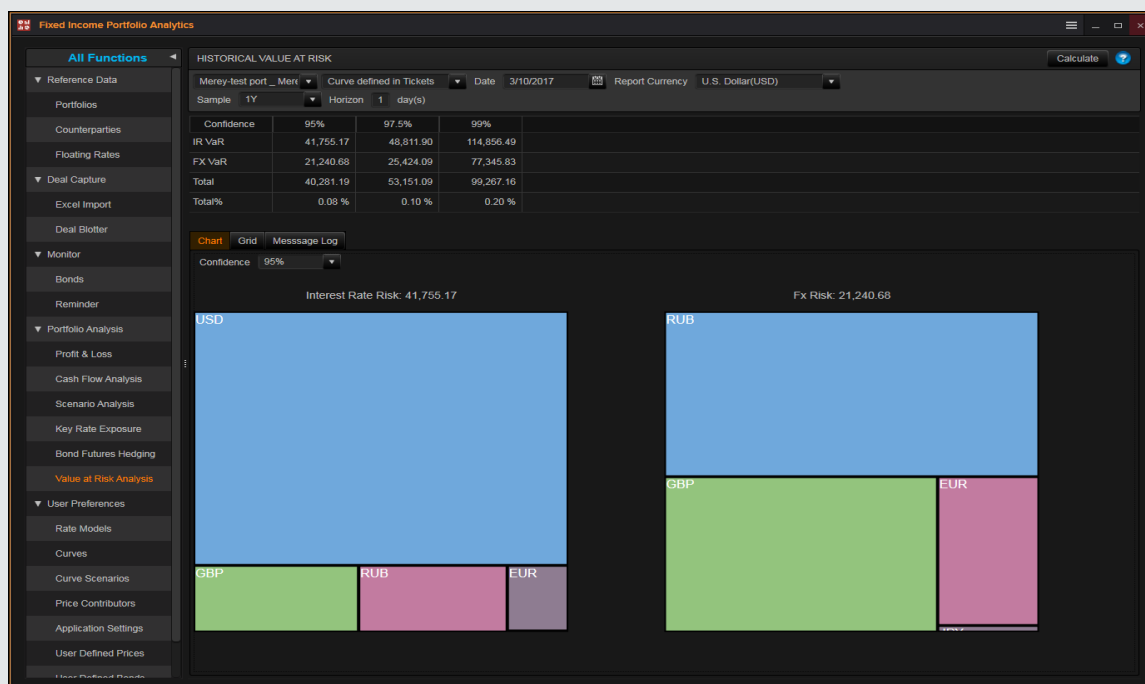
- Economist/Strategist
- Portfolio Manager
- Sell-Side/Buy-Side Analyst



# EIKON PRODUCT GUIDE

## FIXED INCOME PORTFOLIO ANALYTICS | FIPA

Portfolio Analytics tool which provides financial market professionals in-depth reporting, analytical and risk management capabilities for bonds / swaps / money markets portfolios.



### KEY BENEFITS

- **Simplify your workflow** by recording and keeping all transactions in one system. You can import trades from Excel or manually upload through Deal Blotter and group portfolios like a tree to present any type of real investment arrangement
- **Execute sophisticated Profit & Loss analysis** with granular P&L factors breakdown
- **Calculate and analyse historical-based Value-at-Risk exposure** over give time horizon with further breakdown to Interest Rate and FX VaR components
- **Utilize various scenario simulations** to stay fully informed of portfolio return exposure to yield curve shifts
- **Seamlessly run cash flow analytical report** to estimate the timing and amount of future cash flows generated by your portfolio for efficient liquidity management

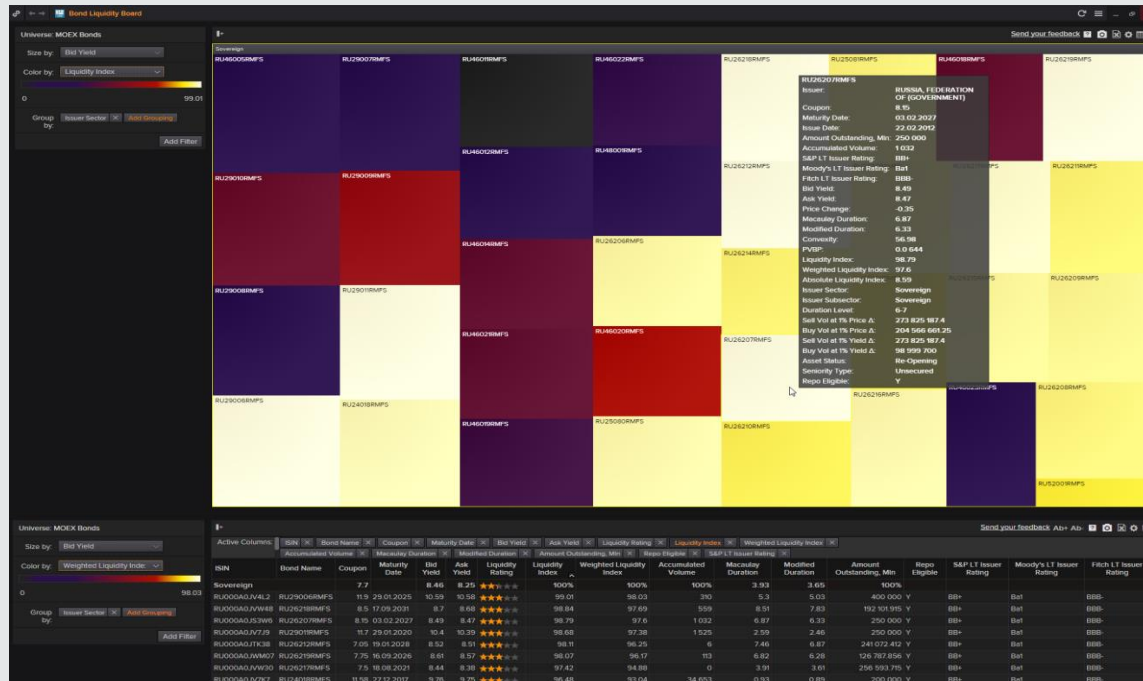
### TARGET AUDIENCE

- FI Portfolio Manager
- FI Trader
- FX&MM Trader
- Risk Management Specialist

# EIKON PRODUCT GUIDE

## BOND LIQUIDITY BOARD | LQX

A unique visualization app, which displays calculated proprietary Thomson Reuters bond liquidity scores\*. The tabular format provides a comprehensive view on the chosen market segment. The methodology was developed by Thomson Reuters in cooperation with key market players



### KEY BENEFITS

- **Get unique view** on market liquidity by monitoring Liquidity Index and Weighted Liquidity Index calculated values
- **Visualize data** with the help of heat/tree map chart by choosing relevant filters on the left panel
- **Drill down into sectors** and custom bond selections and remove the “noise” effect from the main chart by adjusting dynamic filters
- **Apply dynamic filtering** such as Yield, Coupon, Tenor, Convexity, Duration values and etc.
- **Indicate minimal transaction risks** by choosing the most liquid instruments from a defined segment
- **Monitor bond liquidity scores** to minimize liquidity risk and transaction costs

### TARGET AUDIENCE

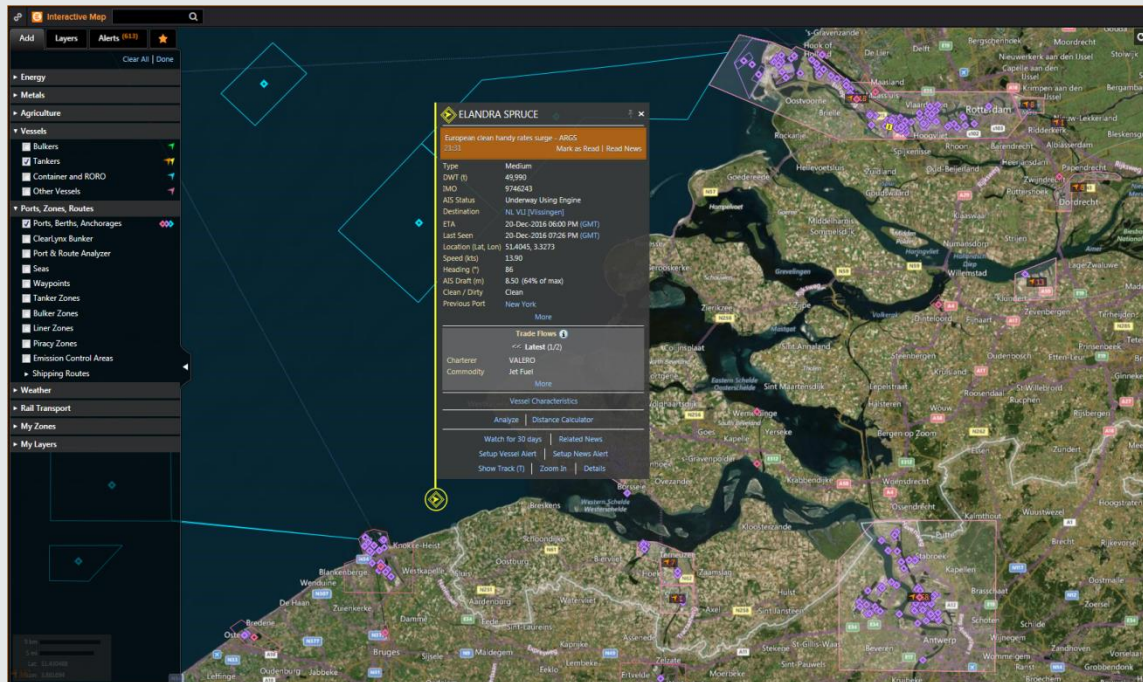
- Portfolio Manager
- FI Trader
- Strategist
- IB/Corporate Finance Professional
- Investor Relations Specialist

\* Fee-liable: requires exchange subscription

# EIKON PRODUCT GUIDE

## INTERACTIVE MAP: SHIPPING | MAP

Shipping component provides you with a vast range of intuitive and customizable features for tracking vessels and ports situation in real-time, analysing historical movements of vessels and commodities carried.



## KEY BENEFITS

- **Track vessels globally** in real-time and see historical vessel movements
- **Watch port situation** by tracking vessel departures and arrivals
- **Monitor commodities flows** by analysing goods, charterer data, cost of freight and vessel fixture history
- **Set alerts** on vessels, ports, etc.
- **Export data** to Excel for a more granular analysis of movement history, fixings and fleets

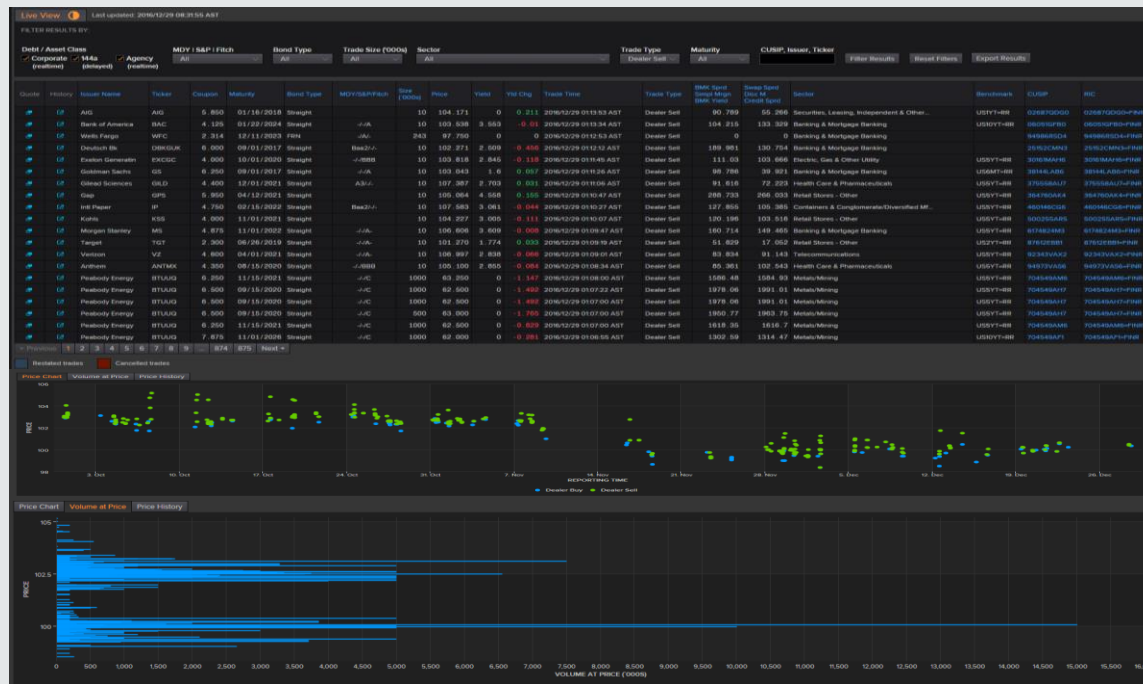
## TARGET AUDIENCE

- Marketing and Risk analyst
- Logistics
- Trader

# EIKON PRODUCT GUIDE

## TRACE VIEWER | TRACEV

Provides access to real-time transactions as they are being disseminated by TRACE (The Trade Reporting and Compliance Engine developed by FINRA). All reported Over-the-Counter transactions are reflected in the table as soon as these are available to the market.



### KEY BENEFITS

- **Monitor real-time OTC transaction feed** as reported by TRACE
- **Set filters** such as maturity, cusip, issuer name, ticker to get the most appropriate results
- **Visualize bond data** in three ways – price chart, volume at price and price history
- **Stay informed about restated and cancelled trades** with the help of blue and red highlighters
- **Export** up to 10 000 records in Excel for further data-processing operations
- **Get access to 30 000 records** of latest deals and historical data for selected securities

### TARGET AUDIENCE

- Corporate Bond Traders
- Compliance Managers
- Investment Managers

\* Enterprise level or individual agreement with FINRA or Thomson Reuters required to view the data

# EIKON PRODUCT GUIDE

## CIS COMMODITIES INSIGHT | CCIO

Provides the most detailed and comprehensive view on Russian and CIS energy markets: extensive pricing data for the whole region accompanied by advanced analytical tools and unique news coverage.



### KEY BENEFITS

- **Track price movements** for refineries, storages and gas stations
- **Analyze** statistics of crude oil and petroleum products production and distribution
- **Explore** the data from Kazakhstan, Ukraine, Caspian region and other parts of CIS
- **Calculate export alternative** with Thomson Reuters proprietary net-back assessments and FOB prices at main ports
- **Monitor product distribution** with clear and simple infographic content
- **Assess the main market trends** by analyzing weekly and monthly Russian Petroleum Investor and Caspian Investor reports

### TARGET AUDIENCE

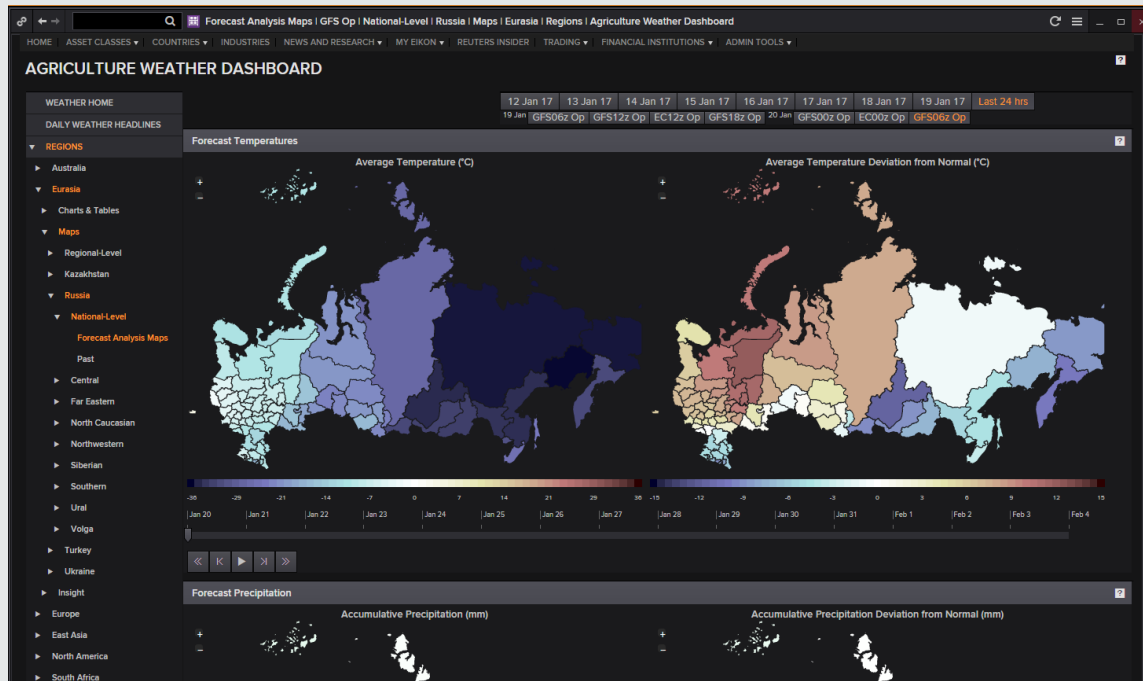
- Marketing and Risk analyst
- Logistics
- Trader



# EIKON PRODUCT GUIDE

## AGRICULTURE WEATHER DASHBOARD

One of the most sophisticated and vivid tools for monitoring and forecasting weather conditions worldwide with a granular regional data accompanied by rich analytical insight on factors impacting the weather.



## KEY BENEFITS

- **Monitor** weather forecast updates from GFS and EC models revised 6 times per day
- **View historical yearly weather correlations** to predict crop yields
- **Observe** all weather data in ready-to-use maps and tables designed to meet market demand
- **Get access** to analysis of global weather factors such as El Niño and other complex series of climatic changes
- **Analyze** current weather factors impacting harvest and yields with an Insight page, providing evaluations from best weather analysts
- **Access the insight** from well-known columnists and market experts published on a regular basis

## TARGET AUDIENCE

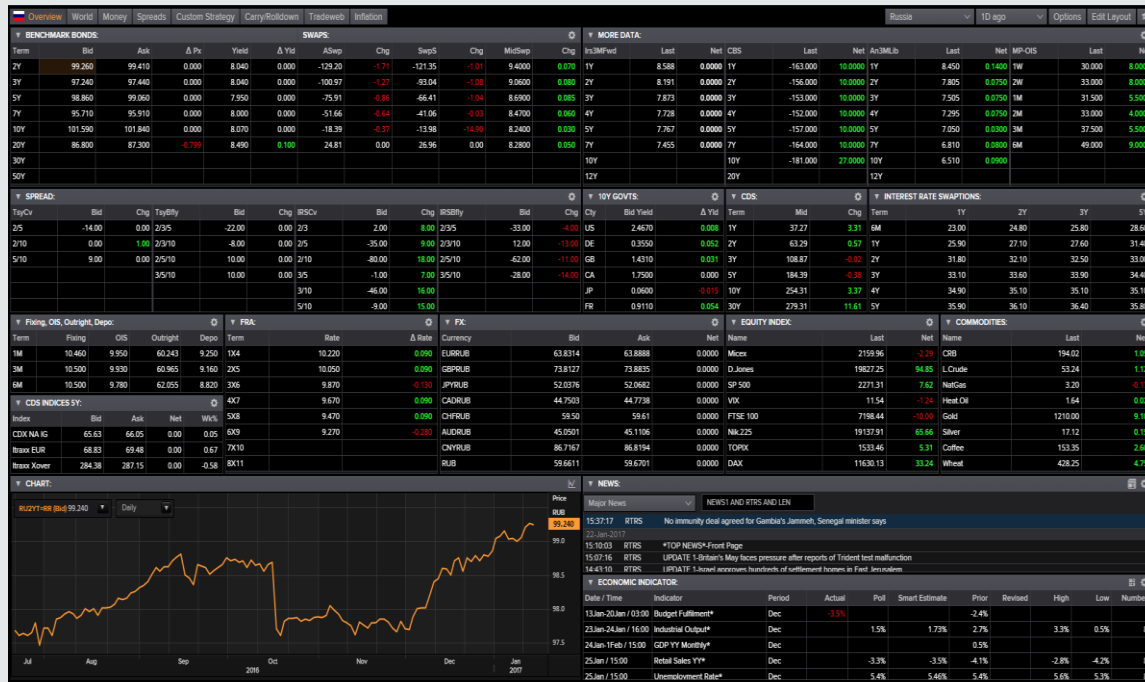
- Marketing and Risk analyst
- Logistics
- Trader



# EIKON PRODUCT GUIDE

## RATES VIEWS | RV

Provides access to a wide range of rates, prices, and related information for bonds, bond futures, short-term interest rates futures, and overnight interest swaps. Allows to monitor real-time data as well as changes over the chosen time period.



## KEY BENEFITS

- **Combine multiple instruments** such as deposits, swap, futures and structured products in a custom list
- **Observe and visualize spreads** for a variety of instruments across different markets and countries
- **Decompose the performance** by measuring IRS and Govy switch steepeners/flatteners against the passage of time
- **Examine and price a trade** with speed and accuracy by analyzing current, historical and future butterfly prices in a single view
- **Set user interval preference and overlay analytical studies** for an in-depth view of investment strategies
- **Illustrate compelling trade opportunities** to your clients with exclusive data from ICAP and Tradeweb\*

## TARGET AUDIENCE

- Portfolio Manager
- FI Trader
- Investor Relations Specialist

\* Trading on Tradeweb requires a separate subscription and dealer enablement

# EIKON PRODUCT GUIDE

## ALL QUOTES | ALLQ

Displays price data and allows to assess market depth for bonds and swaps from multiple sources. Enables instant trade execution via Tradeweb. Customizable view enables instant price discovery.

Contributor	Time	Spread	Yield	Bid	Ask	Yield	Spread	Time	Excluded
VTB CAPITAL	20JAN	-4.00	7.9100	99.000	99.150	7.8700	-3.00	20JAN	Stale
VTB CAPITAL RUN	20JAN	-4.00	7.9100	99.000	99.150	7.8700	-3.00	20JAN	Stale
CREDIT SUISSE ETRADING	20JAN	-0.45	7.9455	98.880	99.080	7.8904	-0.96	20JAN	Stale
THOMSON REUTERS EVALUATED	20JAN	0.00	7.9500	98.880	99.130	7.8800	-2.00	20JAN	Duplicate Quote
THOMSON REUTERS EVALUATED	20JAN	0.00	7.9500	98.880	99.130	7.8800	-2.00	20JAN	Stale
ROSBANK	21JAN	100.00	8.9500	98.860	99.060	8.8800	98.00	21JAN	
THOMSON REUTERS INTRADAY S...	20JAN	0.00	7.9500	98.860	99.060	7.9000	0.00	20JAN	Intraday Fixing Quote
THOMSON REUTERS	21JAN	0.00	7.9500	98.860	99.060	7.9000	0.00	21JAN	Duplicate Quote
THOMSON REUTERS COMPOSIT...	21JAN	0.00	7.9500	98.860	99.060	7.9000	0.00	21JAN	
THOMSON REUTERS EU CLOSE ...	20JAN	0.00	7.9500	98.860	99.060	7.9000	0.00	20JAN	End of day Quote
THOMSON REUTERS INTRADAY S...	20JAN	0.00	7.9500	98.850	99.050	7.9000	0.00	20JAN	Intraday Fixing Quote
THOMSON REUTERS CLOSE SNAP	20JAN	0.00	7.9500	98.850	99.050	7.9000	0.00	20JAN	End of day Quote
UNICREDIT	20JAN	0.00	7.9500	98.850	99.100	7.8900	-1.00	20JAN	Stale
CENTRAL BANK OF RUSSIA	20JAN			98.840				20JAN	Stale
CENTRAL BANK OF RUSSIA	20JAN			98.840				20JAN	Stale
TRFIT COMPOSITE	21JAN	1.00	7.9600	98.837	99.113	7.8800	-2.00	21JAN	Stale
MOSCOW EXCHANGE	20JAN	1.00	7.9600	98.820	99.099	7.8900	-1.00	20JAN	Duplicate Quote
MOSCOW EXCHANGE	21JAN	2.00	7.9700	97.800	95.650	7.8900	-1.00	21JAN	
PROMSVYAZBANK	19DEC	48.00	8.4300	97.100	97.300	8.3700	47.00	19DEC	Stale
SEMANTIC EVOLUTION LTD		54.00	8.4900	96.750	96.850	8.4700	57.00		Stale
CREDIT SUISSE									No Price

## KEY BENEFITS

- Access **exclusive data** from leading trading venues such as Tradeweb, MarketAxess and TRFIT as well as pricing from exchanges, banks and IDBs
- Quickly retrieve the **best bid or ask** quotes to trade with the help of price consolidation that has already been done
- **View calculated spreads** for each price source by defining your own benchmark issue
- **Meet your workflow needs** with enhanced settings and display options such as contributors filtering and highlighting
- **Make a trade on Tradeweb in 1 click** with the help of Sell / Buy buttons

## TARGET AUDIENCE

- Portfolio Manager
- FI Trader

# EIKON PRODUCT GUIDE

## GOVERNMENT AND CORPORATE BONDS SEARCH | GOVSRCH

Criteria-based search with over 100 filters for the government and corporate bond market, intuitive and powerful interface with auto-suggest feature and export options.

The screenshot displays the 'Government and Corporate Bonds Search' interface. It features a search bar at the top, a 'Bonds (85,947)' header, and a table of search results. The table columns include Issuer Name, ISIN, Preferred RIC, Yield to Maturity, Active status, Principal Currency, Issuer Type, Sector, Convertible Bond Type, Country of Issue, Seniority, Mod. Duration to Maturity, Instrument Type, Coupon Type, and Coupon. A 'Bond Grade' dropdown menu is open, showing options like 'Investment Grade', 'High Yield', and 'Not Rated'. The table lists various issuers such as BNP Paribas SA, Royal Bank of Canada, Yunnan Baoshan Power Co Ltd, and others, with their respective bond details.

### KEY BENEFITS

- **Apply multiple filters** such as sector, seniority, yield to maturity, issuer type, issue date, coupon, etc.
- **Use credit ratings** from major agencies together with pricing criteria for comprehensive screening
- **Specify price sources** to retrieve the most appropriate data
- **Set the main context** quickly and easily by restricting the screen to government, corporate or grade parameters with a single click
- **Export** search results to Excel or Quote List for further analysis

### TARGET AUDIENCE

- Portfolio Manager

# EIKON PRODUCT GUIDE

## BEST BROKER QUOTES | **BBQ**

Provides a comprehensive view of quotes from world's leading interdealer brokers by analyzing the content on the broker pages and displaying the data in an order book format with capturing and showing on-screen trades.

FILTER																	
RUSSIAN FEDERATION / ASIA / BRICS / CARIBBEAN / CENTRAL AMERICA / CUSTOM / EASTERN EUROPE / EUROPEAN UNION / LATIN AMERICA / MIDDLE EAST / RUSSIA/CIS / SOUTH AMERICA / SUB-SAHARAN AFRICA																	
GEOGRAPHIC																	
Country	Name	Updated	ID	Fig	Size	Price	Price	Size	Fig	ID	Updated	Bid	Offer	Yield	Duration	Z-Spread	Trade
	rus																
	▼ Sovereign (39)																
	Select All																
	Belarus	10-27-38	E	1	102.7500	-	103.5000	1	E	10-27-38	5.1515	-	5.0253	5.8026	-	5.8080	306 - 293
	Cyprus	10-27-38	E	1	101.6250	-	-	-	-	-	5.7446	-	-	4.3655	-	-	386 -
	Russian Federation	10-27-38	E	1	102.0000	-	102.7500	1	E	10-27-38	7.2150	-	7.1101	7.2176	-	7.2290	503 - 492
	Region																
	INDON 27	10-27-38	G	1	102.8750	-	103.0000	1	G	10-27-38	-	-	-	-	-	-	-
	Search																
	ID 8.500 358	10-27-38	G	1	141.2500	-	-	-	-	-	5.0590	-	-	10.8760	-	-	258 -
	Select All																
	6.625 378	10-27-38	G	1	120.2500	-	-	-	-	-	5.0110	-	-	11.8292	-	-	250 -
	Asia																
	ID 7.750 388	10-27-38	G	1	135.2500	-	-	-	-	-	5.0119	-	-	12.0482	-	-	250 -
	BRICS																
	ID 5.250 428	10-27-38	G	1	104.0000	-	-	-	-	-	4.9682	-	-	14.3520	-	-	241 -
	Caribbean																
	ID 6.750 448	10-27-38	G	1	125.3750	-	-	-	-	-	5.0210	-	-	14.1390	-	-	247 -
	Central America																
	ID 5.125 458	10-27-38	G	1	102.6250	-	-	-	-	-	4.9503	-	-	15.2599	-	-	238 -
	Custom																
	ID 5.950 468	10-27-38	G	1	115.2500	-	115.7500	1	G	10-27-38	4.9520	-	4.9226	15.0352	-	15.0643	239 - 236
	Eastern Europe																
	ID 5.250 478	10-27-38	G	1	104.7500	-	105.3750	1	G	10-27-38	4.9434	-	4.9047	15.5986	-	15.6404	237 - 233
	European Union																
	LK 6.250 208	10-27-38	E	1	103.7500	-	-	-	-	-	5.1090	-	-	3.2627	-	-	339 -
	Latin America																
	LK 6.250 218	10-27-38	E	1	102.3750	-	-	-	-	-	5.6404	-	-	3.9652	-	-	382 -
	Middle East																
	ID 8.125 258	10-27-38	E	1	96.6250	-	97.5000	1	E	10-27-38	6.6582	-	6.5174	6.5312	-	6.5408	453 - 438
	Russia/CIS																
	LK 8.850 258	10-27-38	E	1	100.5000	-	101.5000	1	E	10-27-38	6.7710	-	6.6190	6.6031	-	6.6155	463 - 447
	Scope																
	MA 3.500 24 EUR	10-27-38	E	1	106.6250	-	107.3750	1	E	10-27-38	2.5016	-	2.3936	6.5089	-	6.5127	205 - 195
	Search																
	CM 3.625 218	10-27-38	G	1	99.5000	-	-	-	-	-	3.7497	-	-	4.0443	-	-	188 -
	Select All																
	INDUSTRIAL																
	OM 4.750 268	10-27-38	G	1	96.5000	-	97.2500	1	E	10-27-38	5.2270	-	5.1229	7.5694	-	7.5778	297 - 287
	Domestic																
	PH 4.200 248	10-27-38	G	1	107.8750	-	-	-	-	-	2.9388	-	-	6.1261	-	-	79 -
	International																
	PH 10.625 258	10-27-38	G	1	154.0000	-	154.4500	1	G	10-27-38	3.0514	-	3.0033	5.9890	-	5.9925	87 - 82
	Subok																
	PH 5.500 268	10-27-38	E	1	119.0000	-	120.0000	1	E	10-27-38	3.0970	-	2.9836	7.3639	-	7.3729	81 - 70
	Apply																
	Reset																
	PH 7.750 318	10-27-38	G	1	142.6250	-	-	-	-	-	3.7845	-	-	9.6208	-	-	135 -
	PH 6.375 328	10-27-38	E	1	129.5000	-	-	-	-	-	3.7727	-	-	10.4870	-	-	129 -
	PH 6.375 348	10-27-38	G	1	-	-	134.5000	1	G	10-27-38	-	-	3.7009	-	-	11.7015	- 118
	PH 3.700 418	10-27-38	G	1	99.2500	-	99.3750	1	G	10-27-38	3.7475	-	3.7395	15.8418	-	15.8476	113 - 112
	PH 3.700 428	10-27-38	G	1	98.6250	-	98.7000	1	G	10-27-38	3.7856	-	3.7808	16.4341	-	16.4377	116 - 116

## KEY BENEFITS

- Get access to convenient monitoring capabilities such as collecting and showing the stats for the on-screen trades
- Use the wide range of filters to narrow down the monitored bond universe to meet the requirements
- Aggregate the market quotes when more than one broker is providing the same bid or offer in a comprehensible order book
- Build customized lists for tracking prices, volume, hit or take, and timestamp
- Monitor quotes for CDS indices, strategies and single name instruments presented in a single market overview screen

## TARGET AUDIENCE

- EM rates & credit Trader

\* Initial access to Tradition, ICAP, GFI, Tullett Prebon, BGC Partners or Continental Capital broker pages is required

# EIKON PRODUCT GUIDE

## YIELD MAP | YMAP

Flexible charting tool designed to perform yield curve fitting and relative value analysis of fixed income and money market instruments.



### KEY BENEFITS

- Create yield curves based on a custom selection of constituents
- Visualize credit and market risks with a broad range of analytics such as durations and credit spreads
- Analyze and discover relative value within multi-currency portfolios by swapping yields and sensitivity measures into a single currency
- Monitor curve dynamics over a custom period of time
- Identify optimal curve hedging strategies by applying principal component analysis
- Screen for bonds meeting your criteria by applying a broad range of criteria
- Identify cross-asset arbitrage opportunities by comparing synthetic and cash market quotes & analytics

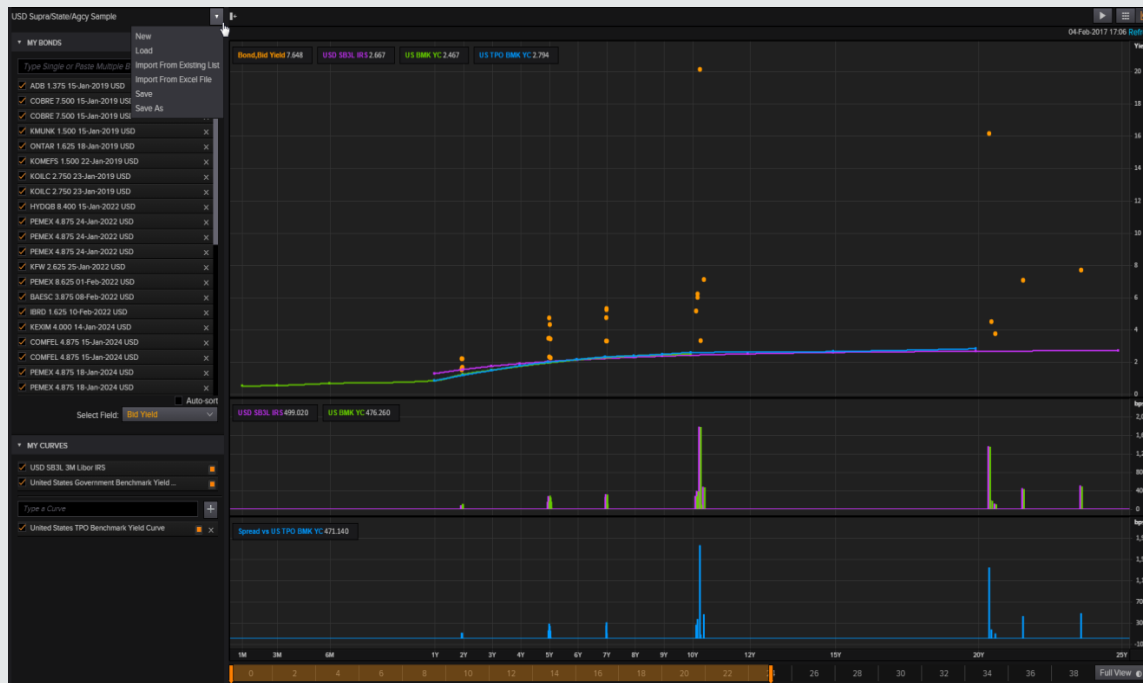
### TARGET AUDIENCE

- FI Research Analysts
- Portfolio Managers
- Rates & Credit Traders
- DCM Syndication & Origination experts

# EIKON PRODUCT GUIDE

## BOND CURVE ANALYSIS | BCRV

Offers an ability to compare a custom list of bonds against selected curves (or against each other), visualize spreads versus the primary government benchmark and swap curves, and spreads against the specified curve in tabular and chart views.



### KEY BENEFITS

- Easily spot bonds traded at premium or discount against the selected curve
- Use value-added analytics such as benchmark spread, swap spread, asset-swap spread, Z-spread
- Monitor the list of bonds in real-time
- Customize the list of bonds using Excel import functionality
- Get immediate access to the primary benchmark and swap curves
- Choose from a universe of more than 7,900 predefined fixed income curves

### TARGET AUDIENCE

- FI Trader



# EIKON PRODUCT GUIDE

## CORPORATE BOND PRICES | CBPX

Robust price discovery tool for corporate bonds which allows to refine a bond universe using the Terms & Conditions filters, and display the results in a single view with an option to see multiple price sources side-by-side.

The screenshot displays the Eikon CBPX interface. On the left, there are several filter panels: 'TERMS & CONDITIONS FILTERS' with 7 categories selected, 'PRIMARY SOURCE FOR REAL-TIME FILTERING' set to THOMSON REUTERS COMPOSITE, and 'ADDITIONAL PRICE SOURCES' with 3 filters selected. The main table shows 100 of 128,012 bonds. The table columns include Issuer Name, Coupon, Maturity, Bid, B Yld, Time, Sector, Domicile, Currency, and Issue Date. The data is sorted by Bid price in descending order.

Issuer Name	Coupon	Maturity	THOMSON REUTERS COMPOSITE			Sector	Domicile	Currency	Issue Date
			Bid	B Yld	Time				
Lbk Hessen	0.9	08-Dec-2026	99.023	1.076	9:50	Banking	Germany	Euro	08-Mar-2017
Lbk Hessen	1	08-Sep-2025	98.420	1.197	9:40	Banking	Germany	Euro	08-Mar-2017
Lbk Hessen	1.55	08-Mar-2029	98.701	1.670	9:50	Banking	Germany	Euro	08-Mar-2017
SGS SA	0.55	03-Mar-2026	100.478	0.496	8:05	Service - Other	Switzerland	Swiss Franc	03-Mar-2017
Lbk Hessen	1.8	02-Mar-2032	97.693	1.979	9:50	Banking	Germany	Euro	02-Mar-2017
Lbk Hessen	1.15	01-Mar-2027	98.218	1.342	9:50	Banking	Germany	Euro	01-Mar-2017
UniCredit Bnk	0.75	28-Jun-2017	100.099	0.449	03FEB	Banking	Germany	Euro	28-Feb-2017
Deutsche	2.75	24-Feb-2020	100.036	2.737	8:06	Banking	Germany	US Dollar	24-Feb-2017
Deutsche	4	23-Feb-2023	100.230	3.150	9:46	Banking	Germany	US Dollar	23-Feb-2017
TransDigm Inc	6.375	15-Jun-2026	99.7500	6.4084	04FEB	Aerospace	United States	US Dollar	23-Feb-2017
Lbk Hessen	0.4	22-Feb-2024	98.046	0.880	9:30	Banking	Germany	Euro	22-Feb-2017
Lbk Hessen	0.7	22-Feb-2028	98.164	1.605	9:50	Banking	Germany	Euro	22-Feb-2017
Lbk Hessen	0.75	22-Feb-2029	97.758	1.695	9:50	Banking	Germany	Euro	22-Feb-2017
Lbk Hessen	1	22-Nov-2027	98.177	1.462	9:50	Banking	Germany	Euro	22-Feb-2017
Kantonalbank	0.11	21-Feb-2024	100.536	0.033	8:05	Banking	Switzerland	Swiss Franc	21-Feb-2017
Pfandbrief Kntbk	0.125	02-Dec-2024	100.808	0.021	9:35	Banking	Switzerland	Swiss Franc	21-Feb-2017
Pfandbrief Kntbk	0.375	21-Sep-2027	100.780	0.300	8:05	Banking	Switzerland	Swiss Franc	21-Feb-2017
Pfandbrief Kntbk	0.5	20-Feb-2032	100.218	0.485	8:05	Banking	Switzerland	Swiss Franc	21-Feb-2017
LBBW	1.4	21-Feb-2019	99.400	1.807	27JAN	Banking	Germany	US Dollar	21-Feb-2017
SPD HK	1	26-Jan-2020	99.979	1.007	8:06	Banking	Hong Kong	US Dollar	20-Feb-2017
Bg de Fribourg	0.3	17-Feb-2027	99.255	0.376	3:05	Banking	Switzerland	Swiss Franc	17-Feb-2017
Lbk Hessen	0.77	17-Feb-2025	97.494	1.099	9:30	Banking	Germany	Euro	17-Feb-2017
LBBW	0.4	19-Aug-2024	99.300	0.641	25JAN	Banking	Germany	Euro	17-Feb-2017
LBBW	0.65	17-Feb-2027	99.000	0.962	25JAN	Banking	Germany	Euro	17-Feb-2017
LBBW	1.1	17-Feb-2027	99.000	1.008	25JAN	Banking	Germany	Euro	17-Feb-2017
Zug Estates	0.7	17-Feb-2022	100.672	0.563	8:05	Home Builders	Switzerland	Swiss Franc	17-Feb-2017
Lbk Hessen	0.75	16-Feb-2032	98.117	1.140	9:50	Banking	Germany	Euro	16-Feb-2017
Lbk Hessen	0.9	16-Feb-2026	97.265	1.223	7:30	Banking	Germany	Euro	16-Feb-2017
Deutsche Bk	6.6	15-Feb-2025	100.247	2.534	8:36	Banking	United Kingdom	US Dollar	15-Feb-2017
Ellevio		28-Feb-2020	99.932		9:22	Electric Utility ...	Sweden	Swedish Krona	15-Feb-2017
Ellevio		28-Feb-2024	100.014		9:23	Electric Utility ...	Sweden	Swedish Krona	15-Feb-2017
Ellevio	2.24	28-Feb-2024	99.969	2.244	9:23	Electric Utility ...	Sweden	Swedish Krona	15-Feb-2017
Lbk Hessen	0.3	15-Feb-2022	98.441	0.618	4:20	Banking	Germany	Euro	15-Feb-2017

### KEY BENEFITS

- Define a universe of bonds based on issuer(s), coupon, maturity, domicile, coupon type, currency and other criteria
- Compare real-time data from the primary source and 2 additional sources, and apply a customizable set of filters
- Compare real-time yields, prices and spreads from multiple sources
- Save search criteria with a pre-defined view for an immediate access during further use

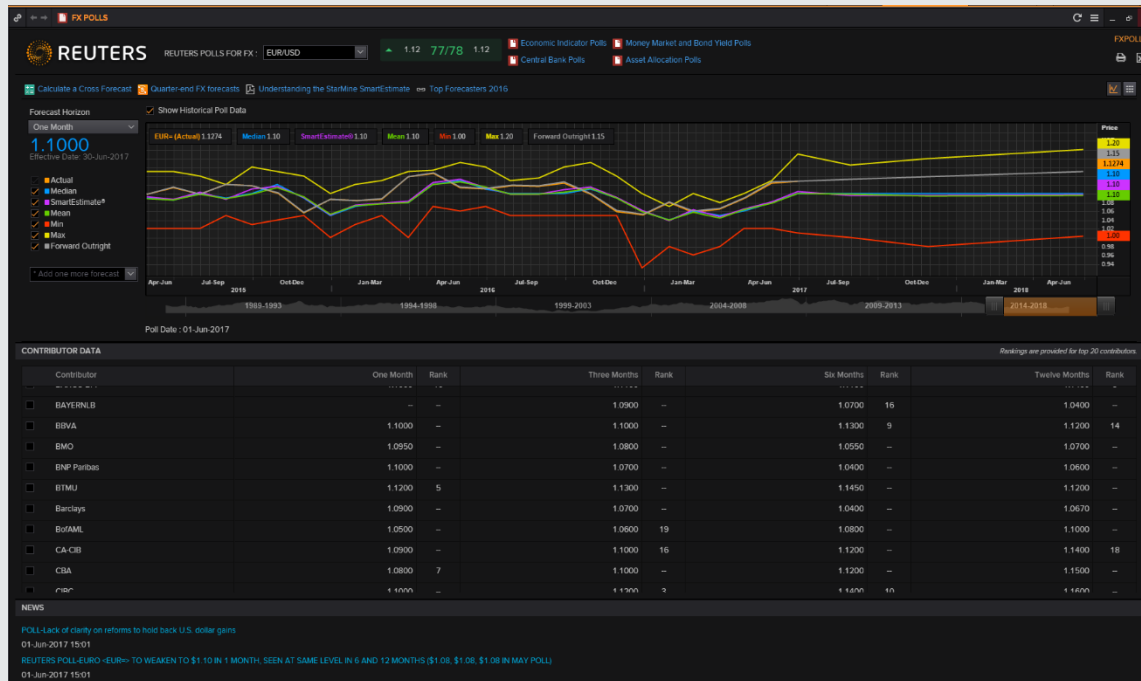
### TARGET AUDIENCE

- FI Trader

# EIKON PRODUCT GUIDE

## FX POLLS | FX POLLS

Displays a summary of the poll results, conducted monthly by Thomson Reuters among major banks and financial institutions, for 44 currency pairs, which are used for monitoring FX market trends.



## KEY BENEFITS

- **Visualize** exchange rates trends and use this insight to build trading strategies in the FX market
- **Analyze** historical polls and easily export the results to Excel
- **Plot individual contributors** forecasts on the chart to compare with the consensus estimates
- **Derive forecasts** for any currency pair from existing polls data using FX Forecast Calculator
- **Rank** forecasters to identify contributors with a proven track record of accuracy for predicting future exchange rates

## TARGET AUDIENCE

- Corporate Treasurer
- Sell-Side/Buy-Side Analyst
- Strategist
- Senior/Junior Dealer
- FX Sales

# EIKON PRODUCT GUIDE

## FX OPTIONS CALCULATOR | FXOC

Allows to calculate Premium and Greeks for FX vanilla, exotic options and multi-leg strategies, using advanced algorithms and high-quality market data to solve for any input and achieve a desired cost of risk profile.



### KEY BENEFITS

- **Display and adjust** the input parameters and choose among different sources to calculate the results and assess the impact of the manual input on the calculation
- **Solve** for any variable by adjusting input parameters
- **Visualize** the payoff diagram for your defined strategy and quickly identify when it becomes profitable using the break-even markers
- **Access** different profit results under various spot scenarios
- **Price custom strategy** with the user-defined strategy builder

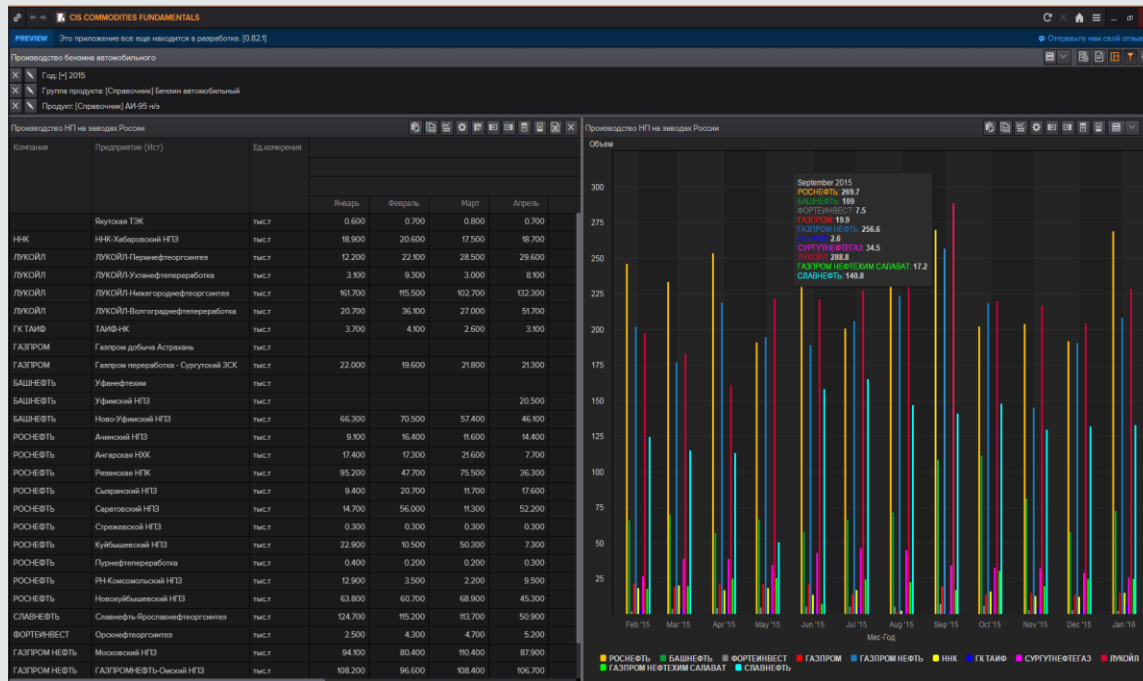
### TARGET AUDIENCE

- FX Traders
- Strategists
- Sell-Side/Buy-Side Analysts
- FX Sales
- Corporate Treasurers

# EIKON PRODUCT GUIDE

## CIS FUNDAMENTALS

Provides the most comprehensive overview on Russian energy statistics accompanied by info-graphics.



## KEY BENEFITS

- **Explore** different datasets on refining, exploration, shipment and storage
- **Filter** data by massive number of categories (company, producer, refinery, type of product, product and etc.)
- **Organize** data as pivot and export to MsExcel
- **Monitor** carriages and commodities movements within Russia from original station to destination station, including foreign destination stations
- **Analyze** domestic and export flows of products
- **Use** prebuild basic reports and create your own reports
- **Visualize** reports with a build-in graphics tool

## TARGET AUDIENCE

- Marketing and Risk analyst
- Logistics
- Trader

# EIKON PRODUCT GUIDE

## RUSSIAN POWER (ELECTRICITY) | POWRUS

Provides an easy, intuitive access to real time data, charts, analytics and insightful market commentary, all developed by our well established and industry-leading Research and Forecast team.



### KEY BENEFITS

- **Monitor** day ahead nodal prices aggregated on different markets
- **Monitor** volume sensitivity for demand on bid-offer curves
- **Download** nodal prices
- **Explore** Spark spreads based on local gas tariffs
- **Visualize** weather maps on different geographical levels
- **Analyze** inflow, precipitation and snow/soil coverage actuals from historical standards and see the forecasts
- **Observe** reservoir levels shown graphically

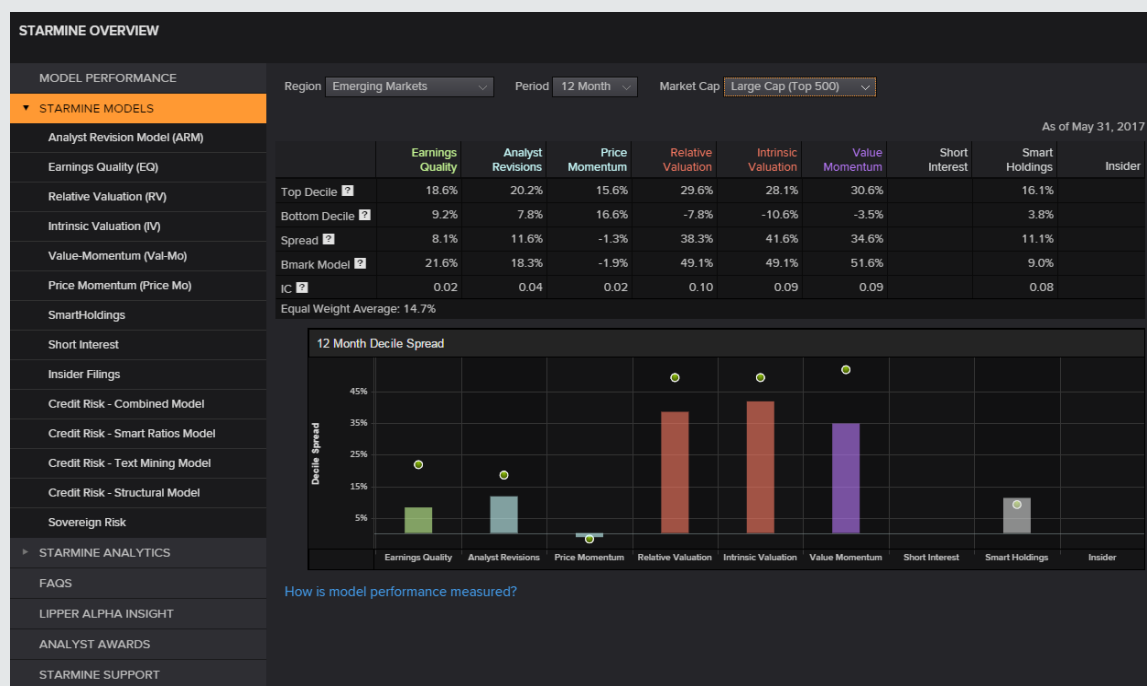
### TARGET AUDIENCE

- Marketing and Risk analyst
- Logistics
- Trader

# EIKON PRODUCT GUIDE

## STARMINE MODELS | STARMINE

Offers the most proven, fair, and rigorous tools to objectively measure the performance of research team. Models evaluate the profitability of buy/sell/hold recommendations and the accuracy of earnings estimates.



### KEY BENEFITS

- **Measures analyst estimates** for each stock, industry and unique coverage universe
- **Fairly compares analyst performances** across widely disparate industries and market conditions
- **Provides you with valuable historical and forward-looking** views of forecast data
- **Allows to objectively screen** for the most investment-attractive companies
- **Compare credit risk valuation** with the estimates from the world's leading sources
- **Provides access to intrinsic valuation** calculated depending on trusted data
- **Benchmark your research** against the competition and market your success stories with validation from the industry's leading source

### TARGET AUDIENCE

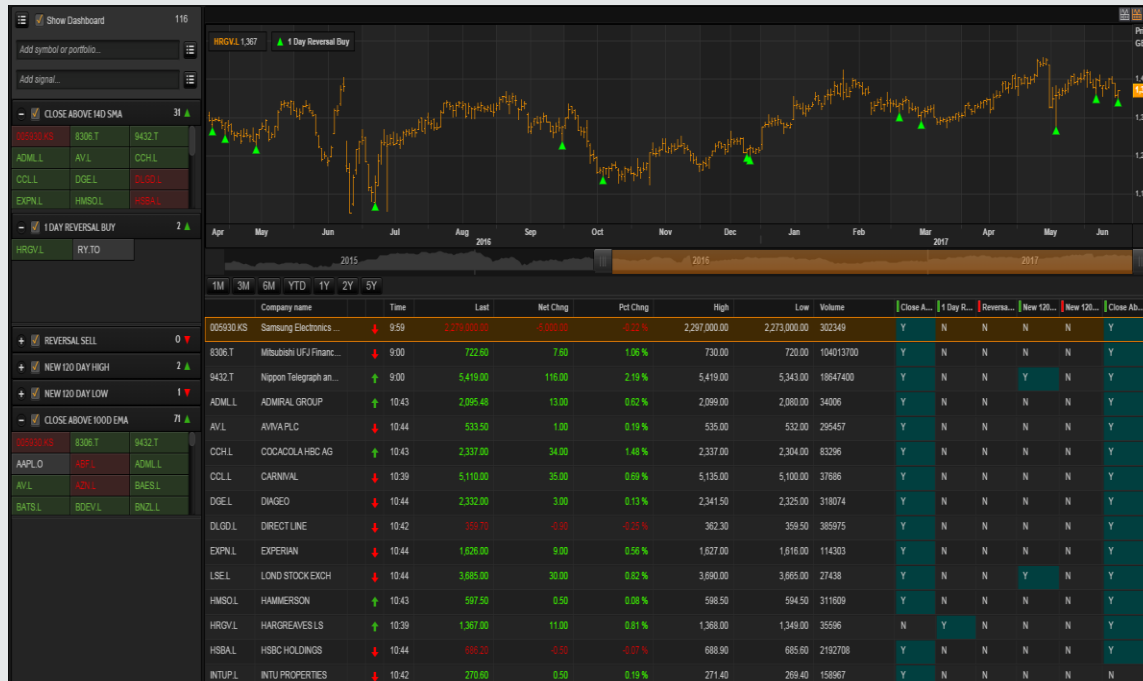
- FI



# EIKON PRODUCT GUIDE

## SIGNAL | SIGNAL

Allows to monitor a universe of securities against the set of technical criteria and be alerted when any of chosen conditions are met. When one of the conditions occurs, app displays a green (bullish) or red (bearish) signal.



## KEY BENEFITS

- Select from over 150 predefined signals or create your own using custom signal editor
- Search for companies, indices and add portfolios
- Monitor chosen parameters in signal panel
- View the history by dragging securities in chart control area
- View real-time alerts in a table

## TARGET AUDIENCE

- FI

# EIKON PRODUCT GUIDE

## INTERACTIVE MAP: ENERGY | MAP

Energy component lets you visualize location and details of key infrastructure, production and processing unites. Variety of physical assets together with external impact factors such as weather and shipping gives you a full picture of energy supply chain.



### KEY BENEFITS

- **Visualize** location of Oil refineries, pipelines, crude oil and products storages
- **Analyze** price movements in CIS refineries and storages
- **Explore** LNG liquefaction and receiving terminals, together with Coal Mines
- **Go into** details and status of each asset
- **Read** latest news related to physical assets
- **Customize** data layers with filters to match your requirements
- **Set up** alerts on any events at any asset on the map

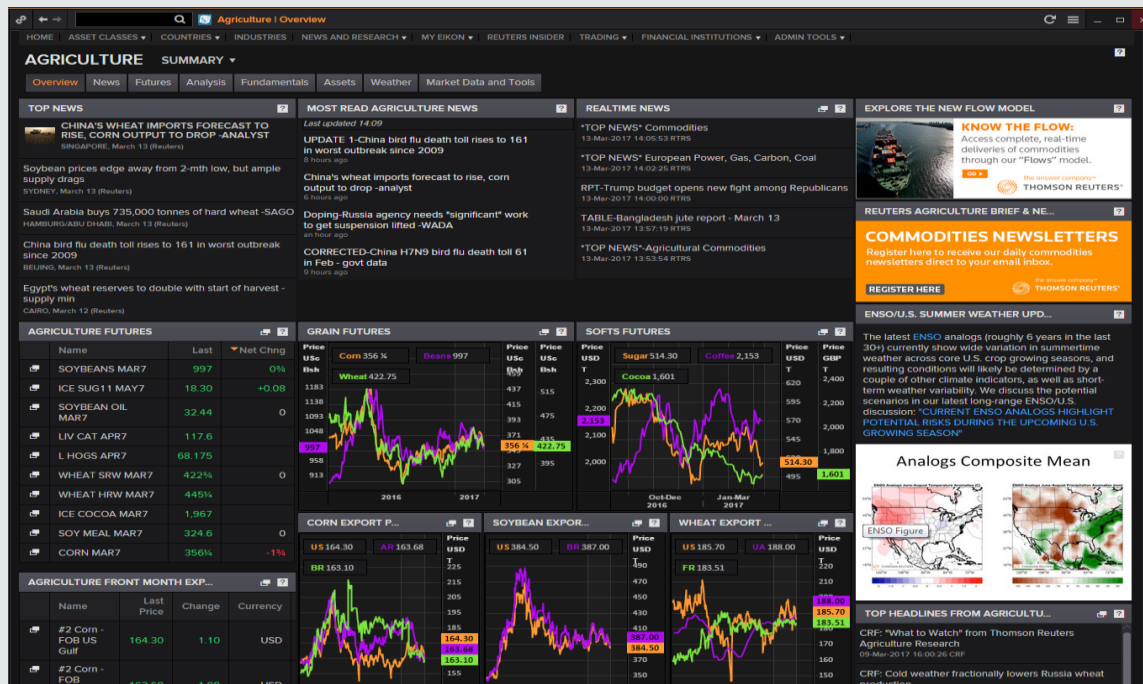
### TARGET AUDIENCE

- Marketing and Risk analyst
- Logistics
- Trader

# EIKON PRODUCT GUIDE

## AGRICULTURE | **AGRI**

Provides a wide range of tools for analyses, research, trading and operations tailored to Agriculture markets.



### KEY BENEFITS

- Scan latest news in daily insight newsletter
- Track movements of commodities and demand by country in Thomson Reuters Trade Flows model
- Visualize statistics of supply and demand of Agriculture products in Fundamentals database, which gives you access to a variety of reports from USDA, NOPA, NASS and etc.)
- Discuss current market situation at Global Agriculture Forum, moderated by Thomson Reuters editorial
- Monitor weather conditions impacting markets, including precipitation, temperature and soil moisture against GFS and EC models
- Analyze all impact factors in Lanworth Crop Production Report
- Get the full picture of price movements on a spot and futures markets

### TARGET AUDIENCE

- Marketing and Risk analyst
- Logistics
- Trader

# EIKON PRODUCT GUIDE

## SEASONALITY CHART | SEAC

With the Seasonality Chart you can view seasonal trends and seasonal averages for any market. It is simple to create, and you can view data for the specific years or a range of years of your choice. You can access seasonal data for any market, including: futures, equities, forex.



### KEY BENEFITS

- **Search** required instruments with an intuitive built-in search engine
- **Compare** different years on one chart by choosing any two years or display the whole accessible history for the instrument
- **Display** data in different formats: only chart, chart and table, only table
- **Export** selected data into Excel by just one click
- **Visualize** historical average price for chosen years
- **Analyze** seasonal changes performance on a rebasing chart
- **Customize** seasons to your own dates

### TARGET AUDIENCE

- Marketing and Risk analyst
- Logistics
- Trader

## AGRICULTURE SPREADS | ASPD

Allows to monitor spreads of swap and futures contracts in different commodity and energy markets, comparing up to four different spread term structures for a standard contract.

The screenshot displays the 'Agriculture Spreads' window in Thomson Reuters Eikon. The main title is 'Spreads: CBOT Soybean Crush (R:1) Simple'. Below the title, there are tabs for 'Crush', 'Ethanol', 'Grains', 'Oilseeds', 'Dairy', 'Fibers', 'Livestock', and 'Softs'. The 'Crush' tab is selected. The interface shows a 'Spread Formula' section with three contracts: Contract #1 (Buy, Ratio 1.00, RIC 0#SOFV), Contract #2 (Sell, Ratio 1.00, RIC 0#SMFV), and Contract #3 (Sell, Ratio 1.00, RIC 0#BOFV). The 'Spread Dividing Ratio' is set to 1.00. The 'Parameters' section includes 'Forward Spreads Table', 'Forward Spreads Chart', and 'Historical Chart'. The 'Forward Spreads Table' is expanded, showing a table with columns for 'Number', 'Period', 'Value', 'Maturity', 'Price', and 'Maturity' for three different instruments: US Soybeans (CBT), US Soymeal (CBT), and US Soya Oil (CBT). The table lists 18 months of data, with values ranging from -0.61 to -0.49.

Number	Period	Value	Decimals: Increase / Decrease		Decimals: Increase / Decrease		Decimals: Increase / Decrease	
			USD/BSH	1: US Soybeans (CBT)	USD/BSH	2: US Soymeal (CBT)	USD/TONS	3: US Soya Oil (CBT)
#1	Month	-0.61						
#2	Month	-0.60						
#3	Month	-0.60						
#4	Month	-0.62						
#5	Month	-0.54						
#6	Month	-0.55						
#7	Month	-0.58						
#8	Month	-0.59						
#9	Month	-0.60						
#10	Month	-0.64						
#11	Month	-0.55						
#12	Month	-0.38						
#13	Month	-0.31						
#14	Month	-0.44						
#15	Month	-0.46						
#16	Month	-0.51						
#17	Month	-0.50						
#18	Month	-0.49						

### KEY BENEFITS

- **Monitor** price difference between feedstock and products
- **Explore** pre-setup list of instruments divided into categories
- **Calculate** spreads in different types: simple and ratio according to your needs
- **Set** conversion parameters to calculate spreads between instruments priced in different currencies, and measured in different units
- Use Fair Values calculated by Thomson Reuters

### TARGET AUDIENCE

- Marketing and Risk analyst
- Logistics
- Trader

# EIKON PRODUCT GUIDE

## FORWARD CURVE CHART | FWCC

Helps to easily chart commodities futures, continuation futures and swaps curves, as well as perform comparative analysis of any curves throughout any time periods.



### KEY BENEFITS

- **Build** a simple forward curve on a required instrument within seconds using a built-in search engine
- **Compare** curves for different commodities at one screen by adding up to seven instruments
- **Analyze** changes of current curve against a historical by choosing any required date on the drop down calendar
- **Limit** number of contracts being used for forward curve
- **Visualize** historical snapshots of Forward Curves against the Front line contract
- **Display** data in a chart and table formats and export it to Excel

### TARGET AUDIENCE

- Marketing and Risk analyst
- Logistics
- Trader



# EIKON PRODUCT GUIDE

## METALS | METALS

Single source for a wide range of tools for metals analysis, research, trading and operations tailored to metals markets.

	2015	2016	2017	2018	2019
Gold (US\$/oz)	-	1250	1259	1425	1500
Silver (US\$/oz)	15.7	17.2	21.4	24.2	26.5
Platinum (US\$/oz)	1053	1030	1200	1350	1500
Palladium (US\$/oz)	692	595	725	800	950

	2015	2016	2017
Global Refined Production	22190	22812	23300
Global Refined Consumption	21869	22532	23087
Market Balance	322	280	213
LME 3-Month Official (\$/tonne)	5493	4870	5500

## KEY BENEFITS

- Scan latest news in the morning with a daily metals insight newsletter
- Get the full picture of price movements both on spot and futures markets along with analytic tools such as Forward Curve
- Compare price movements against a unique fundamentals insight of production and supply/demand balance
- Understand main market drivers and see latest market positioning of effective producers provided by GFMS
- Speak directly to our GFMS analysts to get a deeper understanding of market situation

## TARGET AUDIENCE

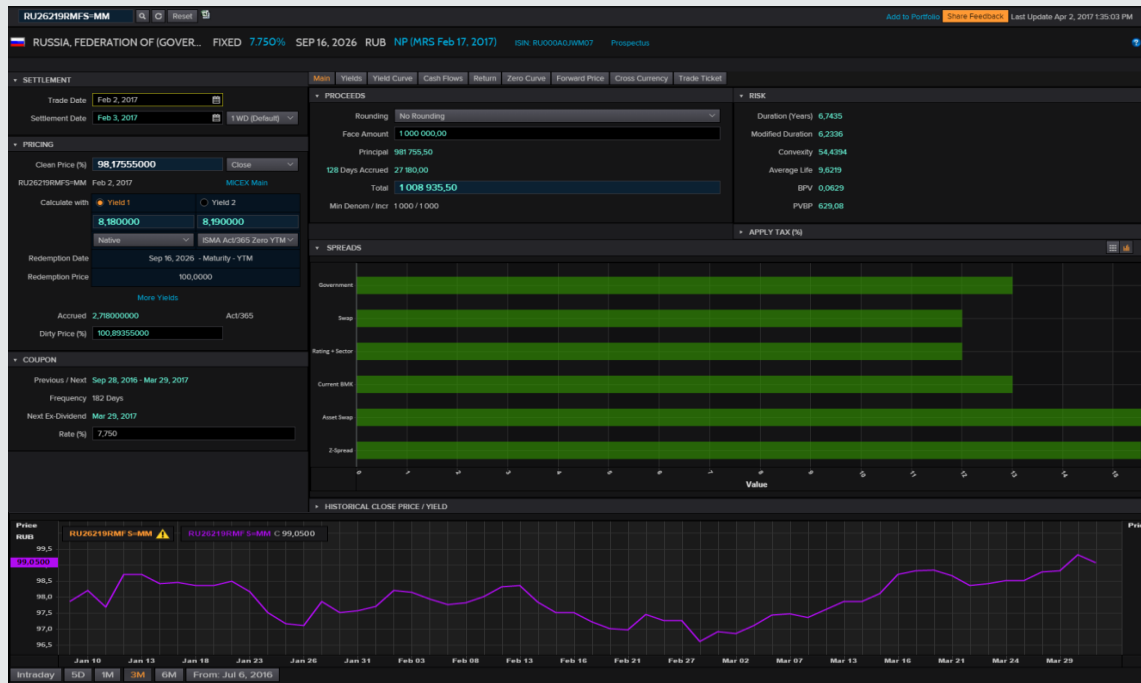
- Marketing and Risk analyst
- Logistics
- Trader



# EIKON PRODUCT GUIDE

## BOND CALCULATOR | BNDC

Calculates price, yield, spreads and risk measurements for a selected bond. In addition computes cash flows, forward price, total return etc. Multi-currency pricing matrix allows to compare the main calculation outputs of a bond in different currencies.



### KEY BENEFITS

- **Price a bond** on a historical or future trade date
- **Select yield calculation methods**
- **Apply tax type** for coupon, yield and capital
- **Calculate risk measures** such as duration, convexity, average life, BPV and PVBP
- **Visualize future cash flows** by generating a table of cash flows for each coupon date
- **Display a list of yield spreads** calculated against benchmark, standard curves and chosen curves
- **Analyze all possible option redemption scenarios** and display the date, price and yield of each one
- **Create a trade ticket**

### TARGET AUDIENCE

- Analyst
- Portfolio manager
- Financial adviser

# EIKON PRODUCT GUIDE

## FLOATING RATE NOTE CALCULATOR | FRB

Specialized calculator provided by Thomson Reuters Eikon to support the analysis of government and corporate floating rate bonds whose coupon is quoted as a fixed margin over a benchmark index.



### KEY BENEFITS

- **Price a bond** on a historical or future trade date
- **Select yield calculation** methods
- **Apply tax** type for coupon and capital
- **Calculate risk measures** such as duration, convexity, average life, BPV and PVPB
- **Visualize future cash flows** by generating a table of cash flows for each coupon date
- **View and modify the index curve**
- **Analyze what-if scenarios** by modifying the clean price, discount margin, and yield to maturity
- **Save the calculation as a trade ticket** and then send it via Messenger or email

### TARGET AUDIENCE

- Analyst
- Portfolio manager
- Financial adviser

# EIKON PRODUCT GUIDE

## ISSUER RATINGS MONITOR | RATMON

Displays the rating actions as published by the rating agencies for all types of issuer ratings and for all types of entities – public, private, sovereign. Monitor the rating events as they come on the feed, so you can quickly adjust your portfolio or reassess the credit risk of counterparties.

Effective Date	Issuer Name	Country	Sector	Subsector	Rating Source/Description	Rating Scope	Action Type	Direction	Current Rat.	Previous Ra.
31-Mar-17 (7)	AGENCIA DE FOMENTO DO P...	Brazil	Other Financial	Financial - Other	Fitch Long-term Issuer Default Rating	Foreign	Rating Affirmed	–	BB	BB
31-Mar-17	TATA CHEMICALS LTD	India	Manufacturing	Chemicals	Fitch Long-term Issuer Default Rating	Foreign	Rating Affirmed	–	BB+	BB+
31-Mar-17	SIBUR HOLDING PAO	Russian Federat...	Other Financial	Financial - Other	Fitch Long-term Issuer Default Rating	Foreign	Rating Affirmed	–	BB+	BB+
31-Mar-17	RUSSIA FEDERATION OF (GO...	Russian Federat...	Sovereign	Sovereign	Fitch Long-term Issuer Default Rating	Foreign	Rating Affirmed	–	BBB-	BBB-
31-Mar-17	ROSSIYSKIYE ZHELEZNYE D...	Russian Federat...	Agency	Agency	Fitch Long-term Issuer Default Rating	Foreign	Rating Affirmed	–	BBB-	BBB-
31-Mar-17	CHINA VANKE CO LTD	China	Other Financial	Real Estate Investment Tr...	Moody's Long-term Issuer Rating	Foreign	Rating Affirmed	–	Baa1	Baa1
31-Mar-17	AKB PERESVET AO	Russian Federat...	Banks	Banking	Fitch Long-term Issuer Default Rating	Foreign	Rating Withdrawn	–	WD	D
30-Mar-17 (4)	TATA STEEL LTD	India	Manufacturing	Metals/Mining	Fitch Long-term Issuer Default Rating	Foreign	Rating Affirmed	–	BB	BB
30-Mar-17	ALFA-BANK AO	Russian Federat...	Banks	Banking	Fitch Long-term Issuer Default Rating	Foreign	Rating Affirmed	–	BB+	BB+
30-Mar-17	WANHUA CHEMICAL GROUP L...	China	Manufacturing	Chemicals	Moody's Long-term Issuer Rating	Foreign	Rating Affirmed	–	Baa3	Baa3
30-Mar-17	AKB PERESVET AO	Russian Federat...	Banks	Banking	S&P Long-term Issuer Rating	Foreign	Rating Withdrawn	–	NR	D
29-Mar-17 (1)	FUFENG GROUP LTD	China	Other Financial	Financial - Other	Fitch Long-term Issuer Default Rating	Foreign	Rating Upgraded	▲	BB+	BB
28-Mar-17 (4)	HONGHUA GROUP LTD	China	Energy Company	Oilfield Machinery and Se...	Fitch Long-term Issuer Default Rating	Foreign	Rating Affirmed	–	CCC	CCC
28-Mar-17	RED STAR MACALLINE GROU...	China	Service Company	Service - Other	Fitch Long-term Issuer Default Rating	Foreign	Rating Downgraded	▼	BBB	BBB+
28-Mar-17	BANCO MERCANTIL DO BRA...	Brazil	Banks	Banking	S&P Long-term Issuer Rating	Foreign	Rating Withdrawn	–	NR	B-
28-Mar-17	EROS INTERNATIONAL PLC	India	Service Company	Leisure	S&P Long-term Issuer Rating	Foreign	Rating Withdrawn	–	NR	B-
27-Mar-17 (2)	ADANI TRANSMISSION LTD	India	Electric Power	Utility - Other	Fitch Long-term Issuer Default Rating	Foreign	Rating Affirmed	–	BBB-	BBB-
27-Mar-17	PARKSON RETAIL GROUP LTD	China	Service Company	Retail Stores - Other	S&P Long-term Issuer Rating	Foreign	Rating Downgraded	▼	B-	B
24-Mar-17 (8)	CHINA RAILWAY GROUP LTD	China	Transportation	Railroads	Fitch Long-term Issuer Default Rating	Foreign	Rating Affirmed	–	A-	A-
24-Mar-17	SINERGIA PAO	Russian Federat...	Consumer Goods	Beverage/Bottling	Fitch Long-term Issuer Default Rating	Foreign	Rating Affirmed	–	B+	B+
24-Mar-17	JSW STEEL LTD	India	Manufacturing	Metals/Mining	Fitch Long-term Issuer Default Rating	Foreign	Rating Affirmed	–	BB	BB
24-Mar-17	CHINA HONGQIAO GROUP L...	China	Other Financial	Financial - Other	Fitch Long-term Issuer Default Rating	Foreign	Rating Affirmed	–	BB	BB
24-Mar-17	ADMINISTRATIYA TAMBOVS...	Russian Federat...	Official and Muni	Official and Muni	Fitch Long-term Issuer Default Rating	Foreign	Rating Affirmed	–	BB+	BB+
24-Mar-17	CHINA HONGQIAO GROUP L...	China	Other Financial	Financial - Other	S&P Long-term Issuer Rating	Foreign	Rating Downgraded	▼	B+	BB-
24-Mar-17	ADMINISTRATIYA GLAVY RE...	Russian Federat...	Official and Muni	Official and Muni	Fitch Long-term Issuer Default Rating	Foreign	Rating Downgraded	▼	BB-	BB
24-Mar-17	PRAVITEL'STVO YANOSLAVS...	Russian Federat...	Official and Muni	Official and Muni	Fitch Long-term Issuer Default Rating	Foreign	Rating Downgraded	▼	BB-	BB
23-Mar-17 (4)	SHANGHAI PUDONG DEVEL...	China	Other Financial	Financial - Other	Fitch Long-term Issuer Default Rating	Foreign	Rating Affirmed	–	A	A
23-Mar-17	CYRELA COMMERCIAL PROP...	Brazil	Service - Other	Service - Other	Fitch Long-term Issuer Default Rating	Foreign	Rating Affirmed	–	B+	B+
23-Mar-17	BR PROPERTIES SA	Brazil	Other Financial	Financial - Other	Fitch Long-term Issuer Default Rating	Foreign	Rating Affirmed	–	BB-	BB-

### KEY BENEFITS

- **Monitor** all issuer ratings events in a single screen
- **Create and manage** your lists of entities and monitor their current ratings
- **Choose** from the Rating Scopes (Foreign, Domestic) and from the Rating Sources (among the 350+ offered by Thomson Reuters)
- **Specify criteria** such as rating action types, rating scope, rating source, description, region, country, sector, subsector for a specific period of time (all filters allow multi-selection)
- **Choose** what columns to display/hide, group and sort
- **Set alerts** on particular rating events for a chosen bond or the whole portfolio
- **Export the results** in Excel for further analysis

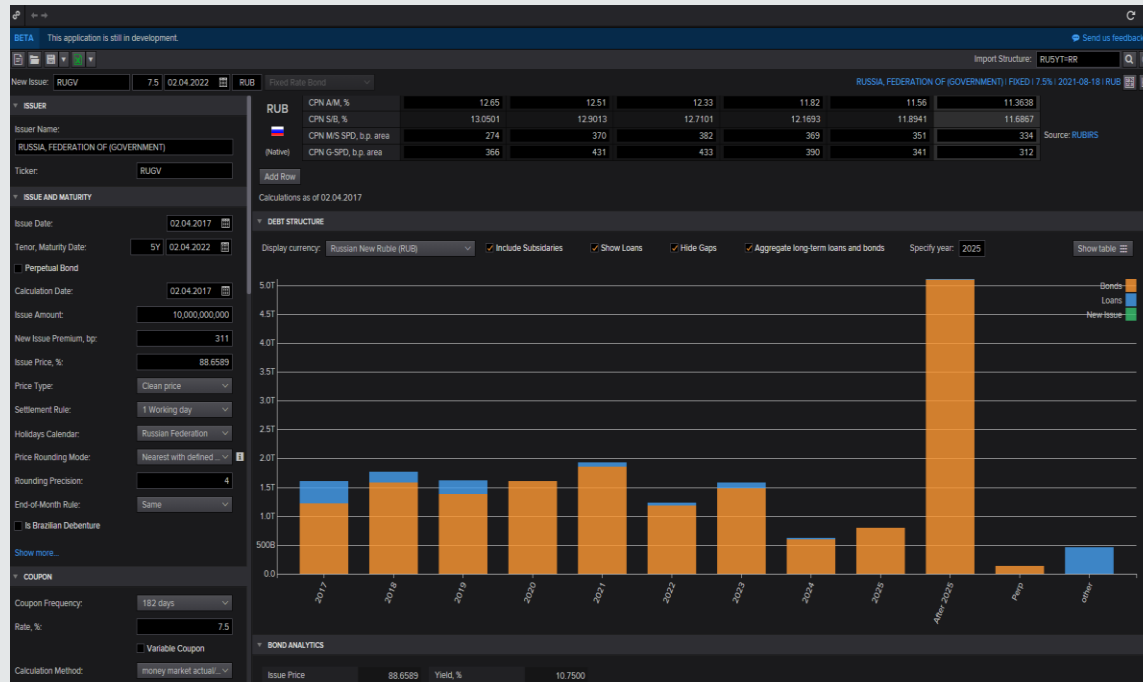
### TARGET AUDIENCE

- Portfolio manager
- Financial adviser
- Risk Manager
- Credit Analyst

# EIKON PRODUCT GUIDE

## DCM PRICER | DCM

Allows debt capital market origination professionals to create and price a custom bond issue in multiple currencies and evaluate related risks. Custom bond calculator that allows to create customer defined terms and conditions and hit them into a bond.



## KEY BENEFITS

- **Import custom bond curves** and use the fitted values for pricing
- **Import bond structure** to use an existing bond as the basis to model a new bond issue
- **Edit the conventional parameters** such as ticker, coupon, maturity, currency
- **Generate cash flows** in a table view

## TARGET AUDIENCE

- DCM Analyst
- Portfolio Manager

# EIKON PRODUCT GUIDE

## FIXED INCOME NEW ISSUES MONITOR **FINIM**

Provides exclusive data from IFR and Thomson Reuters that lets monitor the pipeline of fixed income new issues from rumor to priced.

Source	Issue Name	ISIN / Cusip	Term to M.	CPN	Deal Status	Deal Sz.	Issue Amt.	Currency	Spread	Maturity Date	Sector / Subsector	Domicile of Issuer	Asset Type	Coverage
Updated	31-Mar-2017 06:15	TEWOO GROUP FINANCE NO 3	3Y	4.625%	PRICED	200M	USD	CTD-35bps	06-Apr-2020	China	Corporate	---		
	31-Mar-2017 06:12	TEWOO GROUP FINANCE NO 3	5Y	5.5%	PRICED	200M	USD	CTD-37bps	06-Apr-2022	China	Corporate	---		
	30-Mar-2017 10:51	MOSKOVSKIY KREDITNYI BANK PAO	10.5Y	7.5%	PRICED	600M	USD	MSY541 b	05-Oct-2027	Banks/Banking	Russia	FIG		
	29-Mar-2017 13:57	MOSKOVSKIY KREDITNYI BANK PAO	10.5Y	---	BOOKBUILDING	600M	USD	---	05-Oct-2027	Banks/Banking	Russia	FIG		
	29-Mar-2017 03:21	YANGUO GROUP CO LTD	3Y	6.8%	PRICED	100M	USD	---	05-Apr-2020	Other Financial/Fin.	China	Corporate		
	27-Mar-2017 08:12	HUANITANG INTERNATIONAL INVE.	3Y	5.7%	PRICED	150M	USD	---	30-Mar-2020	Other Financial/Fin.	China	Corporate		
	24-Mar-2017 19:26	HONGKONG DEVELOPMENT FINANCE	3.1Y	6.87%	PRICED	320M	RMB	---	30-Apr-2020	Other Financial/Fin.	India	Corporate		
	24-Mar-2017 09:32	CHINA EVERGRANDE GROUP	7Y	9.5%	PRICED	18M	USD	---	29-Mar-2024	Service Company/Sec.	China	Corporate		
	23-Mar-2017 18:02	XINJIANG GUANGHUI INDUSTRY INV.	3Y	7.87%	PRICED	300M	USD	---	30-Mar-2020	Other Financial/Fin.	China	Corporate		
	22-Mar-2017 16:52	CHINA ZHESHANG BANK CO LTD	---	5.6%	PRICED	2,175B	USD	---	---	Banks/Banking	China	FIG		
	22-Mar-2017 16:52	CHINA ZHESHANG BANK CO LTD	---	---	LAUNCHED	2,175B	USD	---	---	Banks/Banking	China	FIG		
	22-Mar-2017 15:17	RUSSEY ANONIMNIY AO	3Y	5.5%	PRICED	18M	CNY	---	---	Other Financial/Fin.	Russia	Corporate		
	21-Mar-2017 22:39	GLOBO COMUNICACOES E PARTICIP.	10Y	5.125%	PRICED	200M	USD	---	31-Mar-2027	Service Company/Co.	Brazil	Corporate		
	21-Mar-2017 21:52	GLOBO COMUNICACOES E PARTICIP.	10Y	---	LAUNCHED	---	---	---	---	Service Company/Co.	Brazil	Corporate		
	21-Mar-2017 18:16	GLOBO COMUNICACOES E PARTICIP.	10Y	---	ANNOUNCEM.	---	USD	---	---	Service Company/Co.	Brazil	Corporate		
	17-Mar-2017 20:07	CHINA EVERGRANDE GROUP	3Y	7%	PRICED	950M	USD	---	23-Mar-2020	Service Company/Sec.	China	Corporate		
	17-Mar-2017 20:04	CHINA EVERGRANDE GROUP	5Y	8.25%	PRICED	18M	USD	---	23-Mar-2022	Service Company/Sec.	China	Corporate		
	17-Mar-2017 14:46	BORETS INTERNATIONAL LTD	5Y	---	ANNOUNCEM.	---	USD	---	---	Manufacturing/Indust.	Russia	Corporate		
	16-Mar-2017 18:02	FOSUN INTERNATIONAL LTD	5Y	5.25%	PRICED	800M	USD	---	23-Mar-2022	Manufacturing/Congl.	China	Corporate		
	15-Mar-2017 10:32	FUJIAN ZHANGJIANG GROUP LTD	2.7Y	4.5%	PRICED	200M	USD	---	18-Dec-2019	Manufacturing/Indust.	China	Corporate		
	14-Mar-2017 17:14	SUZANO PAPER E CELULOSE SA	3Y	7%	PRICED	300M	USD	---	21-Mar-2020	Other Financial/Fin.	China	Corporate		
	14-Mar-2017 12:15	EVRAZ NTKM AO	6Y	5.375%	PRICED	750M	USD	1-324.8	20-Mar-2023	Manufacturing/Metals.	Russia	Corporate		
	13-Mar-2017 19:52	EVRAZ NTKM AO	6Y	---	LAUNCHED	750M	USD	---	20-Mar-2023	Manufacturing/Metals.	Russia	Corporate		
	13-Mar-2017 11:58	EVRAZ NTKM AO	6Y	---	BOOKBUILDING	---	USD	---	20-Mar-2023	Manufacturing/Metals.	Russia	Corporate		
	10-Mar-2017 00:02	SUZANO PAPER E CELULOSE SA	30Y	7%	PRICED	300M	USD	T-418.6	18-Mar-2047	Manufacturing/Indust.	Brazil	Corporate		
	09-Mar-2017 21:49	LENOVO GROUP LTD	5Y	3.87%	PRICED	800M	USD	---	16-Mar-2022	Manufacturing/Inform.	China	Corporate		
	09-Mar-2017 19:14	KWG PROPERTY HOLDING LTD	5.5Y	6%	PRICED	400M	USD	---	15-Sep-2022	Other Financial/Fin.	China	Corporate		
	09-Mar-2017 17:07	SUZANO PAPER E CELULOSE SA	30Y	---	ANNOUNCEM.	---	USD	---	---	Manufacturing/Indust.	Brazil	Corporate		
	08-Mar-2017 21:52	MARB BONOCO PLC	---	---	LAUNCHED	750M	USD	---	---	---	Brazil	Corporate		
	08-Mar-2017 18:21	MARB BONOCO PLC	7Y	---	ANNOUNCEM.	---	USD	---	---	---	Brazil	Corporate		
	08-Mar-2017 04:18	EXPORT-IMPORT BANK OF CHINA	10Y	3.37%	PRICED	850M	USD	110bp	14-Mar-2027	Agency/Agency	China	FIG		
	08-Mar-2017 04:15	EXPORT-IMPORT BANK OF CHINA	5Y	2.625%	PRICED	1,155M	USD	85bp	---	Agency/Agency	China	FIG		
	08-Mar-2017 01:24	BRAZIL, FEDERATIVE REPUBLIC OF	9Y	6%	PRICED	18M	USD	---	07-Apr-2026	Sovereign/Sovereign	Brazil	Sovereign		
	08-Mar-2017 00:26	BRAZIL, FEDERATIVE REPUBLIC OF	9Y	6%	LAUNCHED	18M	USD	---	07-Apr-2026	Sovereign/Sovereign	Brazil	Sovereign		
	07-Mar-2017 19:49	EXPORT-IMPORT BANK OF CHINA	3Y	3.8%	PRICED	18M	EUR	MS-30	14-Mar-2020	Agency/Agency	China	FIG		
	07-Mar-2017 17:52	BRAZIL, FEDERATIVE REPUBLIC OF	9Y	6%	ANNOUNCEM.	---	1.85M	---	07-Apr-2026	Sovereign/Sovereign	Brazil	Sovereign		
	06-Mar-2017 05:48	CHINA SCE PROPERTY HOLDINGS L.	5Y	5.87%	PRICED	200M	USD	---	10-Mar-2022	Manufacturing/Home	China	Corporate		
	03-Mar-2017 04:46	QOME ELECTRICAL APPLIANCES HO.	3Y	5%	PRICED	400M	USD	---	10-Mar-2020	Service Company/Ret.	China	Corporate		
	02-Mar-2017 15:26	EVRAZ NTKM AO	---	---	ANNOUNCEM.	---	USD	---	---	Manufacturing/Metals.	Russia	Corporate		
	02-Mar-2017 08:42	ICBC BANK LTD	5.5Y	3.25%	PRICED	300M	USD	T-135	09-Sep-2022	Banks/Banking	India	FIG		
	02-Mar-2017 04:21	CHINA CNGA FINANCE (2017) LIM.	3Y	3%	PRICED	300M	USD	1-150	09-Mar-2020	---	China	FIG		
	01-Mar-2017 07:26	DYNAMIC MISSION INVESTMENTS	3Y	7.5%	PRICED	60M	USD	---	03-Mar-2020	---	China	Corporate		
	28-Feb-2017 04:17	CAIC BOND 3	5Y	4.7%	PRICED	300M	USD	---	08-Mar-2022	---	China	Corporate		
	27-Feb-2017 19:56	ROOSDYRYE ZHELEZNYE DOROGI	7Y	8.9%	PRICED	150M	RUB	---	03-Mar-2024	Agency/Agency	Russia	Corporate		
	27-Feb-2017 12:32	ROOSDYRYE ZHELEZNYE DOROGI	7Y	---	BOOKBUILDING	---	150M	RUB	---	Agency/Agency	Russia	Corporate		
	21-Feb-2017 18:14	XINJIANG REAL ESTATE CO LTD	4Y	7.75%	PRICED	300M	USD	---	---	Other Financial/Fin.	China	Corporate		
	21-Feb-2017 18:14	XINJIANG REAL ESTATE CO LTD	4Y	---	LAUNCHED	---	300M	USD	---	Other Financial/Fin.	China	Corporate		
	15-Feb-2017 19:51	QINGHAI PROVINCIAL INVESTMENT	3Y	7.25%	PRICED	300M	USD	---	22-Feb-2020	---	China	Corporate		
	15-Feb-2017 20:20	QINGHAI PROVINCIAL INVESTMENT	10Y	6%	PRICED	500M	USD	T-151.5	24-Feb-2027	Telephone/Telecom	China	Corporate		

### KEY BENEFITS

- **Keep in line with the latest updates** which are highlighted in orange and revived every 30 seconds
- **Get access to historical exhaustive content** from IRF and Thomson Reuters from 2010
- **Add filters to refine search:** deal status, currency, domicile of issue, issuer name, sector, subsector, date range
- **Save filtering criteria and column settings** for quick and easy screening next time
- **Download the results in Excel** for further analysis

### TARGET AUDIENCE

- FI Trader
- FI Sales
- Portfolio Manager

# EIKON PRODUCT GUIDE

## BOND HOLDERS | EMAXXBH

An ownership and institutional investment profile tool for fixed income professionals which offers exclusive insight into bond holdings. Uniquely combines essential fixed income ownership and institutional investor profile data with a powerful search engine.

Managing Firms & Funds/Portfolios	Report Date	Par Held (M)	Net Change (M)	% Par Out.
CD-MANAGED, USA	02/28/2017	31,355	19,891	0.00
AcciFrost Advisors (UK) Limited, Investment Manager, London, G...	02/28/2017	15,268	7,028	0.00
Houderger Bermer Fixed Income (LLC), Investment Manager, Chicag...	02/28/2017	15,882	14,790	0.00
Western Asset Management Co., Investment Manager, Pasadena, CA...	02/28/2017	13,834	5,000	0.00
Alvarez Investment Management (LLC), Investment Manager, London...	02/28/2017	8,943	6,889	0.00
Montly Asset Management (LLC), Investment Manager, London, GBR	12/31/2016	8,150	7,522	0.00
MMP Advisors S.V., Investment Manager, The Hague, NLD	02/28/2017	6,431	1,783	0.00
Stone Harbor Investment Partners LP, Investment Manager, New ...	02/28/2017	5,943	3,899	0.00
Western Asset Management Co (WAMCO) (New York), Investment M...	01/31/2017	5,157	5,157	0.00
State Street Global Advisors (UK) Ltd, Investment Manager, Lond...	02/28/2017	4,866	(1,686)	0.00

## KEY BENEFITS

- **Ensure the success of deals** by researching who is over/under weight bonds of a target issuer with the rest of the sector
- **Differentiate coverage** by making more intelligent and appropriate sales calls
- **Identify and target investors** for new issue distribution
- **Use data** to execute bond buy-backs, tender exchanges and/or consent solicitations
- **View holdings of institutional fixed-income investors** in 33 countries throughout North America, Europe and Asia
- **Quickly display reports** showing owners of a chosen bond or groups of bonds and pinpoints the managing firms and portfolio managers responsible for the portfolios' trading decisions

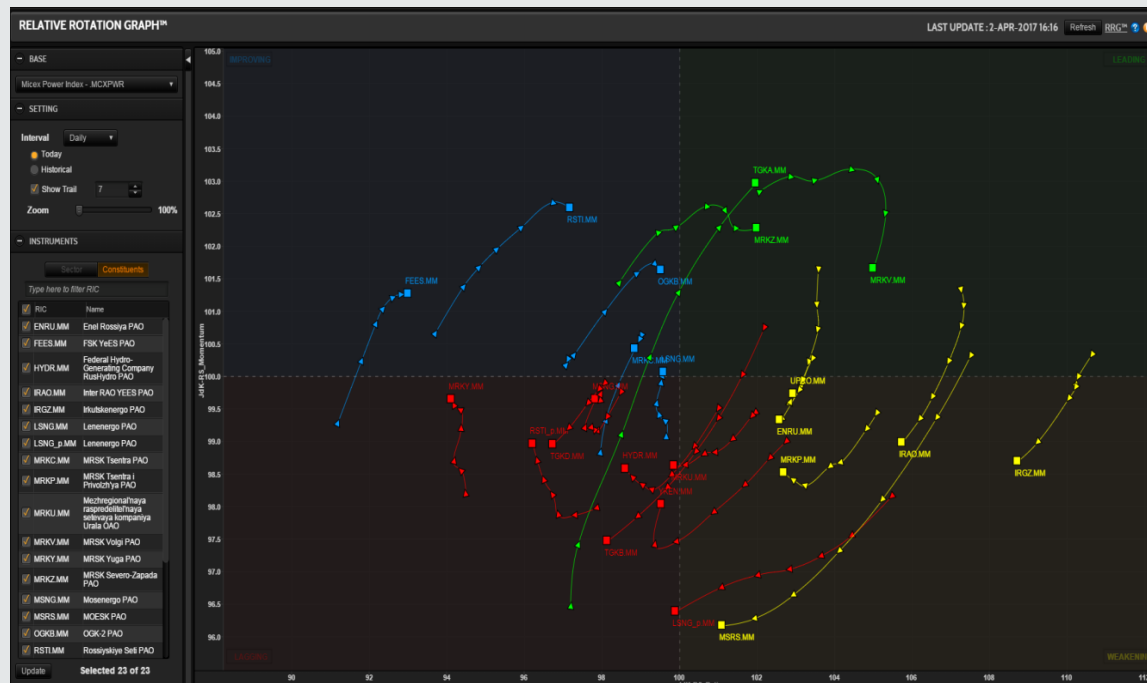
## TARGET AUDIENCE

- Portfolio Manager
- Analyst
- FI Sales
- Risk Manager

# EIKON PRODUCT GUIDE

## RELATIVE ROTATION GRAPH | RRG

Provides a visual presentation of how a group of securities (or sectors) are performing relative to a selected benchmark\*. The location, direction and speed of movement within or toward the quadrants provides you with a powerful data visualization tool.



### KEY BENEFITS

- **Monitor** the charting area divided into four distinct color-coded quadrants -Leading, Weakening, Lagging, and Improving
- **Focus** on stocks/sectors which are following a wide orbit around the centre of the graph in order to identify investment opportunities
- **Get access** to both today and historical data
- **View short term** to identify possible pair trading opportunities
- **View longer term** to influence tactical asset allocation
- **Identify instruments** which are outperforming the benchmark as those which have increasing momentum

### TARGET AUDIENCE

- Portfolio Manager
- Analyst

\* trademark of RRG Ltd. Created by Julius de Kempnaer



# EIKON PRODUCT GUIDE

## SWAP POINTS AND OUTRIGHTS | SPO

Calculates real-time cross Swap Points and Outright for currency pairs over Standard Period, Odd Period and broken periods up to 20 years using different types of forward sources as well as entering deal calculation parameters to create trade ticket adding it to selected portfolio.

**U.S. Dollar / Russian Rouble**

RUB Trade Date: 01 Feb 2017 USD Spot RUB Spot RUB Spot  
 Value Date: 02 Feb 2017 1.0000 1.0000 60.1401 60.1528 60.1401 60.1528  
 RUB SN not Used

Calculation Parameters

Standard Periods Deal Calculation

Standard Periods Forward Source: Composite, (FWD OR) Reduced View

Period	RUB Dates	Days	RUB Swap Points		RUB Swap Points		RUB Outrights	
ON	01 Feb 2017 02 Feb 2017	1	164.5000	164.5000	164.5000	164.5000	60.123650	60.136350
TN	02 Feb 2017 03 Feb 2017	1	124.0000	222.0000	124.0000	222.0000	60.152500	60.175000
SN	02 Feb 2017 03 Feb 2017	1	124.0000	222.0000	124.0000	222.0000	60.152500	60.175000
SW	02 Feb 2017 09 Feb 2017	7	1,007.0000	1,120.0000	1,007.0000	1,120.0000	60.240800	60.264800
2W	02 Feb 2017 16 Feb 2017	14	2,049.0000	2,222.0000	2,049.0000	2,222.0000	60.345000	60.375000
3W	02 Feb 2017 27 Feb 2017	25	3,522.2143	3,754.1429	3,522.2143	3,754.1429	60.492321	60.528214
1M	02 Feb 2017 02 Mar 2017	28	3,924.0000	4,172.0000	3,924.0000	4,172.0000	60.532500	60.570000
2M	02 Feb 2017 03 Apr 2017	60	8,621.5000	8,621.5000	8,621.5000	8,621.5000	61.002250	61.014950
3M	02 Feb 2017 02 May 2017	89	12,249.0000	12,872.0000	12,249.0000	12,872.0000	61.365000	61.440000
4M	02 Feb 2017 02 Jun 2017	120	16,174.5435	16,932.3261	16,174.5435	16,932.3261	61.757554	61.846033
5M	02 Feb 2017 03 Jul 2017	151	20,100.0870	20,992.6522	20,100.0870	20,992.6522	62.150109	62.252065
6M	02 Feb 2017 02 Aug 2017	181	23,899.0000	24,922.0000	23,899.0000	24,922.0000	62.530000	62.645000
7M	02 Feb 2017 05 Sep 2017	215	27,962.3696	28,834.9565	27,962.3696	28,834.9565	62.936337	63.036296
8M	02 Feb 2017 02 Oct 2017	242	31,189.1630	31,942.3043	31,189.1630	31,942.3043	63.259016	63.347030
9M	02 Feb 2017 02 Nov 2017	273	34,894.0000	35,510.0000	34,894.0000	35,510.0000	63.629500	63.703800
10M	02 Feb 2017 04 Dec 2017	305	37,939.2174	39,044.6087	37,939.2174	39,044.6087	63.934022	64.057261
11M	02 Feb 2017 09 Jan 2018	341	41,365.0870	43,021.0435	41,365.0870	43,021.0435	64.276609	64.454904
1Y	02 Feb 2017 02 Feb 2018	365	43,649.0000	45,672.0000	43,649.0000	45,672.0000	64.505000	64.720000
15M	02 Feb 2017 02 May 2018	454	52,436.3978	53,893.9282	52,436.3978	53,893.9282	65.383740	65.542193
18M	02 Feb 2017 02 Aug 2018	546	61,520.0000	62,393.0000	61,520.0000	62,393.0000	66.292100	66.392100
21M	02 Feb 2017 02 Nov 2018	638	69,260.3656	71,275.9462	69,260.3656	71,275.9462	67.066137	67.280395
2Y	02 Feb 2017 04 Feb 2019	732	77,169.0000	80,352.0000	77,169.0000	80,352.0000	67.857000	68.188000

### KEY BENEFITS

- Calculate FX forwards from swap points
- Retrieve market-quoted Spot and Deposit Rates from various contributors
- Use market-quoted, adjusted or interpolated swap points
- Enter custom rates and swap points
- Calculate FX forwards on Odd Period
- Forwards and Calculating Short Dates FX Forwards from Deposit Rates
- Apply Non-Deliverable Foreign Exchange Forward (NDF) conventions
- Access Displaying Related Information and Defining Real-Time Data Refresh Frequencies
- Choose contributors for FX forwards, spot rates, Cross Spot Rate, Deposit Rates

### TARGET AUDIENCE

- Senior/Junior Dealers
- FX Sales
- Corporate Treasurers

# EIKON PRODUCT GUIDE

## CURVE CHART | CURC

Displays one to four yield curves sharing a y-axis in one pane, and their differential in the histogram format in a separate pane. Curves enable you to look at a set of time-limited instruments such as interest rates and bonds.



### KEY BENEFITS

- **View** and compare a large number of different yield curves (including user-defined custom yield curves) and other term structures from any country, including curves that normally cannot be charted, such as IRS or Deposit Curves
- **Choose** a country for which you want to view data. The system displays the G7 and Euro zone countries at the top, followed by the other available countries in alphabetical order
- **View** historical curves wherever possible
- **Select** specific brokers for Interest Rate Swap (IRS), Overnight Interest Swap (OIS), and Deposit Curve
- **Compare** curves and their spread (displayed as a forest)
- **Compare** a single bond to the curves
- **Add** specific bonds to curves for yield comparison

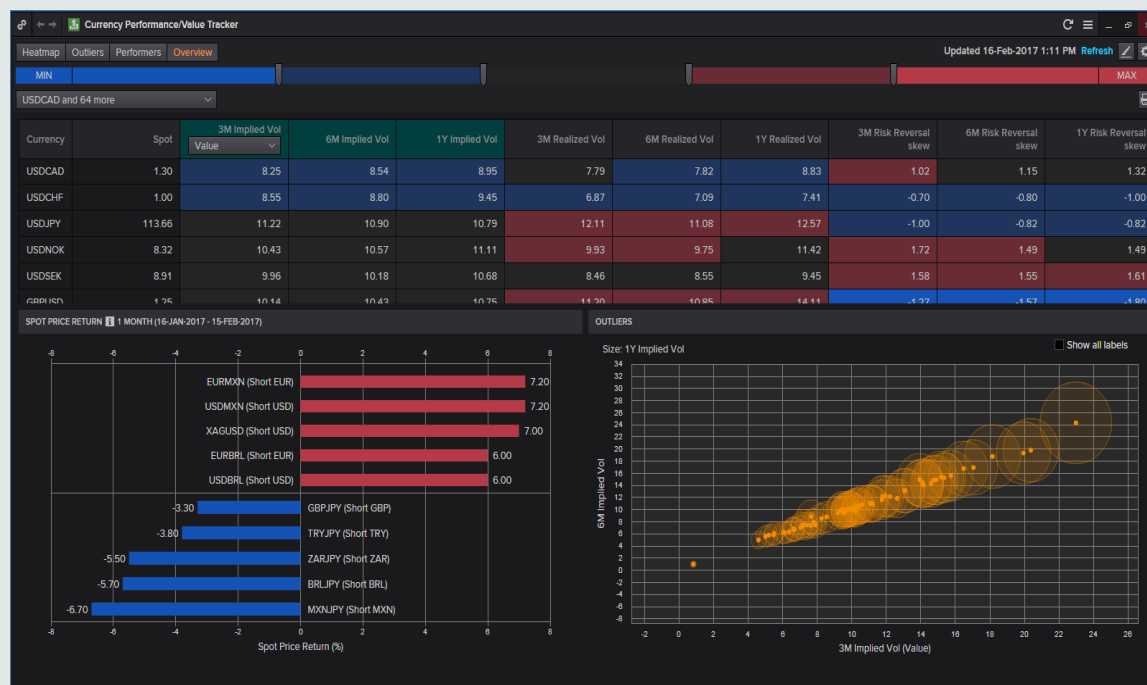
### TARGET AUDIENCE

- Corporate Treasurer
- Sell-Side/Buy-Side Analyst
- Strategist
- Senior/Junior Dealer
- FX Sales

# EIKON PRODUCT GUIDE

## CURRENCY PERFORMANCE/VALUE TRACKER | FXPT

Indicates the high and low extremes for foreign exchange and precious metals carry and volatility. Rich graphical capabilities are available to help identify outliers and extreme currency pairs.



### KEY BENEFITS

- **Visualize** spot currency pairs with implied volatility or carry that is particularly high or low
- **Define** the top/bottom percentiles across all currency pairs
- **Define** additional filters based on spot, volatility and risk reversal skew
- **Scan** for extremes of volatility curves and risk-reversal skew.
- **Select** a minimum of ten currency and metals pairs and view selected columns in a scatter or bubble chart or open a time-series chart for each pair.
- **Rank** currency by historical performance
- **View** a summary of the Heat Map, Outliers and Performers tabs

### TARGET AUDIENCE

- Corporate Treasurer
- Sell-Side/Buy-Side Analyst
- Strategist
- Senior/Junior Dealer
- FX Sales

# EIKON PRODUCT GUIDE

## DEPOSIT ANALYSIS | DEAN

Calculates either synthetic deposit rates from swap points or synthetic FX forwards from deposit rates, using real-time or user-defined data, and allows to compare the results to market rates.

Deposits vs FX Forwards Overview [DEF] | FRA Pricing [FRAP] | Swap Points and Outrights [SPO] | Base Deposits | Quoted Deposits

Russian Rouble / U.S. Dollar

Target CCY: RUB | Trade Date: 07 Feb 2017 | RUB Spot: 59.3575 | USD Spot: 1.0000 | RUB/USD Spot: 0.0168

Via CCY: USD | Value Date: 08 Feb 2017 | 59.3724 | 1.0000 | 0.0168 | 0.0168

RUB: Year Basis: 360 | Calendar: RUB | USD: Year Basis: 360 | Calendar: USA

Updated at 17:54:19

Calculation Parameters

Reference: USD | Price Contributors: Display Settings

Extrapolation: No | Roll-Over Time: New York SPM

Odd Periods: Yes | Swap Points Interpolation Method: Linear | Pricing From: Zero Curve

Holidays: Ind. Ref. CCY | Deposit Interpolation Method: Linear | Spread (bp): 0.0

Number of Cross/Spot Decimals: Default

Swap To Dep | Dep To Swap | ZC Curve

Standard Periods

Period	End Date	Days	RUB Swap Points	USD Rates	RUB Implied Rates	Implied Deposit	Spread	RUB Rates
0N	07 Feb 2017	08 Feb 2017	1 145.1586	148.3729	0.66	0.66	9.46	9.65
1M	08 Feb 2017	09 Feb 2017	1 145.1586	148.3729	0.66	0.66	9.47	9.66
3M	08 Feb 2017	10 Mar 2017	7 1 016.1100	1038.6100	0.66	0.66	9.47	9.66
6M	08 Feb 2017	08 Jun 2017	14 2 012.7445	2 047.1764	0.66	0.66	9.38	9.53
1Y	08 Feb 2017	01 Mar 2018	21 3 009.3791	3 055.7427	0.66	0.66	9.35	9.48
1M	08 Feb 2017	09 Mar 2017	29 4 148.3900	4 208.3900	0.65	0.65	9.34	9.45
3M	08 Feb 2017	10 Apr 2017	61 8 718.8900	8 724.3000	0.67	0.67	9.35	9.38
6M	08 Feb 2017	10 May 2017	91 12 877.3200	12 952.3200	0.68	0.68	9.28	9.33
1Y	08 Feb 2017	08 Jun 2017	120 16 661.0724	16 840.7947	0.70	0.70	9.14	9.22
1M	08 Feb 2017	10 Jun 2017	152 20 836.2476	21 131.5253	0.73	0.73	9.07	9.18
3M	08 Feb 2017	08 Jul 2017	181 24 620.0000	25 020.0000	0.79	0.79	9.03	9.16
6M	08 Feb 2017	08 Sep 2017	212 28 354.8261	28 785.8087	0.77	0.77	8.92	9.03
1Y	08 Feb 2017	10 Oct 2017	244 32 210.1304	32 632.0435	0.79	0.79	8.85	8.94
1M	08 Feb 2017	08 Nov 2017	273 35 704.0000	36 136.0000	0.82	0.82	8.80	8.89
3M	08 Feb 2017	08 Dec 2017	303 38 861.9641	39 299.3337	0.84	0.84	8.67	8.75
6M	08 Feb 2017	09 Jan 2018	335 42 228.4359	43 673.8563	0.86	0.86	8.57	8.65
1Y	08 Feb 2017	08 Feb 2018	365 45 386.8900	45 836.8900	0.89	0.89	8.50	8.57
1M	08 Feb 2017	08 Mar 2018	454 45 386.8900	45 836.8900	0.95	0.95	7.09	7.14
3M	08 Feb 2017	08 Apr 2018	546 45 386.8900	45 836.8900	1.01	1.01	6.13	6.18
6M	08 Feb 2017	08 May 2018	638 45 386.8900	45 836.8900	1.08	1.08	5.47	5.51
1Y	08 Feb 2017	08 Feb 2019	730 45 386.8900	45 836.8900	1.14	1.14	4.99	5.03

Broken Dates

Start	Period/Date	End Date	Days	FX Points	Decimals: Increase / Decrease	USD Rates	RUB Implied Rates	Spread	RUB Rates
Spot	10D	21 Feb 2017	13	1 970.3692	1 903.0955	0.66	0.66	9.35	9.54
Spot	3M	10 Mar 2017	91	12 877.3200	12 952.3200	0.68	0.68	9.28	9.33
Spot	7M 15D	25 Jun 2017	229	30 402.9563	30 819.6522	0.78	0.78	8.88	8.98
Spot	13M	09 Sep 2017	394	45 386.8900	45 836.8900	0.91	0.91	7.96	8.03
Spot	1Y90D	10 Mar 2018	456	45 386.8900	45 836.8900	0.95	0.95	7.06	7.12

## KEY BENEFITS

- Use one of the most popular calculators in FX Community
- Calculate synthetic deposit rates and FX forwards and cross FX forwards for standard period, odd period, and broken dates
- Perform what-if analysis by entering custom deposit and swap points values
- Retrieve spot and cross rates for the chosen reference currency as well as market-quoted deposit rates and FX forwards
- Display market-quoted deposit rates, adjusted deposit rates, cross outright, adjusted FX forward rates
- Choose a contributor. The list of available contributors varies depending on the chosen currencies. You can choose composite or specific contributors for spot, deposit, and forward rates and enter custom values for the rates.

## TARGET AUDIENCE

- Corporate Treasurer
- Sell-Side/Buy-Side Analyst
- Strategist
- Senior/Junior Dealer
- FX Sales

# EIKON PRODUCT GUIDE

## ZC BUILDER | ZCBR

Helps to create zero coupon curves and discount factor curves for all major currencies, on standard dates and chosen tenors. Easily integrates with other apps within Thomson Reuters Eikon.



### KEY BENEFITS

- **Build** curves for different currencies based on the Thomson Reuters zero curve, or using instruments that you select
- **Advanced functionality:** add spreads to the mid rates of the underlying instruments, choose the rate types used for the calculated curve, choose specific instruments (deposits, fixing rates, swaps, futures, and bonds) to build the curve, interpolate a curve on specific tenors
- **Retrieve** and **reuse** the zero curves you created in the Zero Coupon Curve Builder model of Thomson Reuters Eikon
- **Visualize** charts to compare your curve with the Thomson Reuters zero curve

### TARGET AUDIENCE

- Corporate Treasurer
- Sell-Side/Buy-Side Analyst
- Strategist
- Senior/Junior Dealer
- FX Sales

# EIKON PRODUCT GUIDE

## FX CARRY TRADE | FXCT

Analyzes carry trade returns and provides a graphical representation of the returns over the investment period. Easily allows to set up short- and long-term basket of currencies for identifying trade opportunities.



### KEY BENEFITS

- **Visualize** FX carry trade returns and the cumulative excess return index (including profit amount, standard deviation and the Sharpe ratio, sum short end and sum long end)
- **Analyze** the carry trade returns for the investment period
- **Choose** a base currency
- **Define** an investment period for the carry trade
- **Retrieve** the FX and interest rates for the investment period
- **Choose** an investment frequency
- **Choose** up to ten currencies each for the short and long baskets
- **Access** Related Information and define Real-Time Data Refresh Frequencies

### TARGET AUDIENCE

- Corporate Treasurer
- Sell-Side/Buy-Side Analyst
- Strategist
- Senior/Junior Dealer
- FX Sales

# EIKON PRODUCT GUIDE

## FX TOP OF BOOK | **TOB**

Easy-to-setup dashboard for foreign exchange spot and forward rates aggregation from various sources (incl. FXAll and Matching).

The screenshot displays the Eikon FX Top of Book (TOB) dashboard. The interface shows a grid of currency pairs with their respective bid and ask prices. The dashboard is titled "FX Top of Book" and includes a "NEW" banner with a message: "Welcome to the new Top of Book, which now allows views to be shared. See what's changed." and a "Send feedback" link. The dashboard is organized into a grid of currency pairs, each with a "Spot" button and a small bar chart icon. The currency pairs are: EUR.USD, GBP.USD, AUD.USD, USD.CAD, USD.RUB, USD.JPY, USD.CHF, USD.NOK, USD.SEK, USD.DKK, USD.NZD, and USD.BRL. Each pair is displayed with "Sell" and "Buy" prices, and a large number representing the volume or order count. The background of the dashboard is dark, and the text is in white and green.

EUR.USD (19:34:22)	GBP.USD (19:34:23)	AUD.USD (19:34:24)	USD.CAD (19:34:23)
Sell EUR: 1.12 Buy EUR: 1.12 752 / 764	Sell GBP: 1.28 Buy GBP: 1.28 032 / 062	Sell AUD: 0.76 Buy AUD: 0.76 171 / 210	Sell USD: 1.32 Buy USD: 1.32 141 / 176
USD.RUB (19:34:23)	USD.JPY (19:34:24)	USD.CHF (19:34:23)	USD.NOK (19:34:22)
Sell USD: 57.18 Buy USD: 57.19 100 / 610	Sell USD: 109. Buy USD: 109. 064 / 096	Sell USD: 0.96 Buy USD: 0.96 599 / 613	Sell USD: 8.36 Buy USD: 8.37 880 / 280
USD.SEK (19:34:24)	USD.DKK (19:34:22)	USD.NZD (19:34:13)	USD.BRL (19:34:24)
Sell USD: 8.63 Buy USD: 8.64 930 / 200	Sell USD: 6.59 Buy USD: 6.59 430 / 550	Sell USD: 1.368 Buy USD: 1.369 600 / 200	Sell USD: 3.27 Buy USD: 3.27 75 / 90

## KEY BENEFITS

- **Choose** source of data provided between Composite, FXall, Matching, EBS
- **Create** different profiles with specific sets of currency pairs
- **Select** checkboxes with tenors needed for FX forwards
- **Customize** available tenors
- **Direct** linking of the app with powerful trading platform FXall

## TARGET AUDIENCE

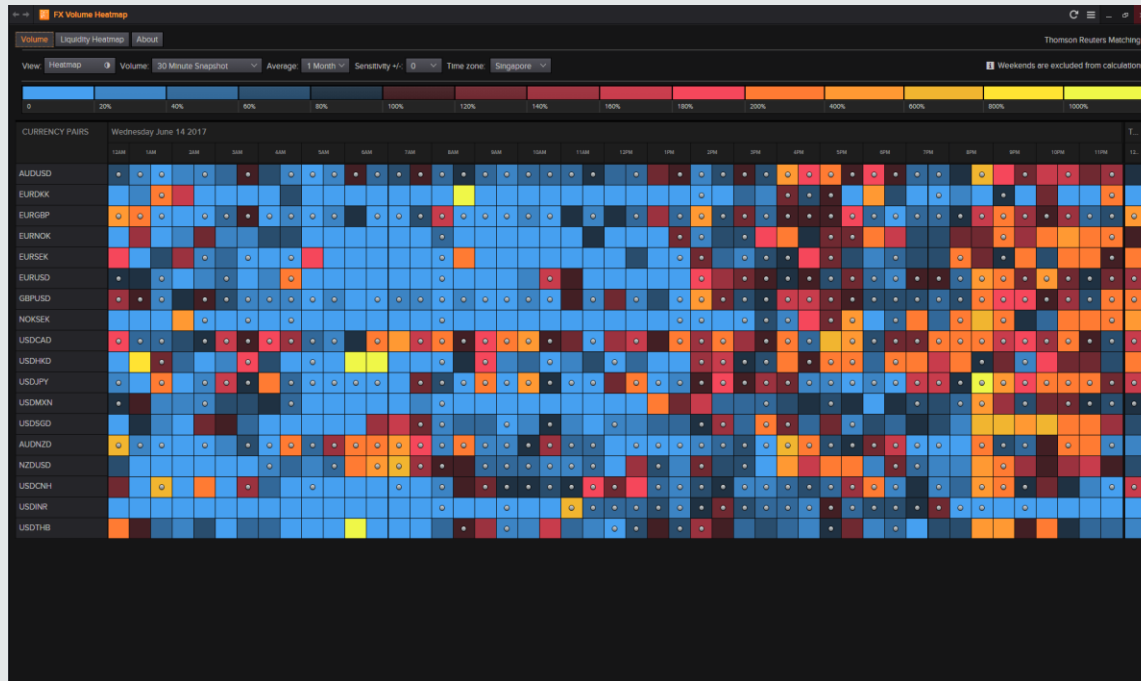
- Corporate Treasurer
- Sell-Side/Buy-Side Analyst
- Strategist
- Senior/Junior Dealer
- FX Sales



# EIKON PRODUCT GUIDE

## FX VOLUME HEATMAP | FXHEAT

Powerful visualization tool on volume and liquidity where the currency pairs shown are the most liquid currency pairs traded on the Thomson Reuters Matching platform. Volume and liquidity are shown relative to the average for that same period for selected past periods.



### KEY BENEFITS

- **Visualize** current trading volumes for chosen or listed currency pairs and compare the volume traded with a look-back period
- **Find out** which significant news related to the currency pair were released during 30-minute segment
- **Fine-tune** look-back period by choosing between 2 days, one week or one month
- **Order** currency pairs by relative activity for the most recent thirty minutes from hottest to coldest using Volume breakdown option
- **Visualize** liquidity and highlight periods of the day offer good liquidity by using color scaling options and sensitivity button
- **Choose** between local time zone and time zones of major trading centers

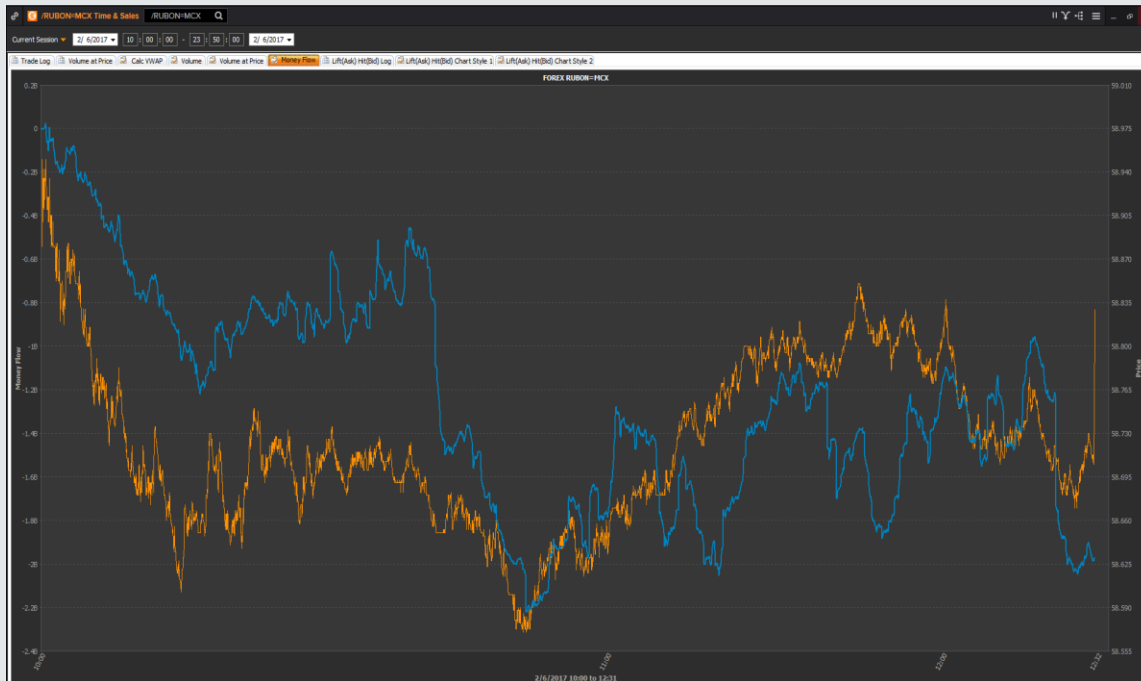
### TARGET AUDIENCE

- Corporate Treasurer
- Sell-Side/Buy-Side Analyst
- Strategist
- Senior/Junior Dealer
- FX Sales

# EIKON PRODUCT GUIDE

## TIME & SALES | TAS

Allows to analyze exchange trading information both in real-time and historically. View trade logs and calculate VWAP for a single instrument, or activate Blended Mode to aggregate multiple venues, viewing trading information for either numerically or as a chart.



### KEY BENEFITS

- **Customize** the Trade Log tab choosing date/time range in and setting the required display mode
- **Create your own custom column** layout using the global template for your trading information or apply **user-defined formulas** for simple calculations
- **Add or remove** certain trades based on price thresholds, volumes, or trade flags
- **Filter trades** by selecting them with your mouse and using the right-click menu to exclude them from calculations
- **Calculate** and display Volume Weighted Average Price (VWAP) and volume over any historical period including and excluding single or multiple trades of your choice from the calculation
- **View** additional tables and charts such as Money Flow and Volume Flow as well as Lift(Ask) and Hit(Bid)

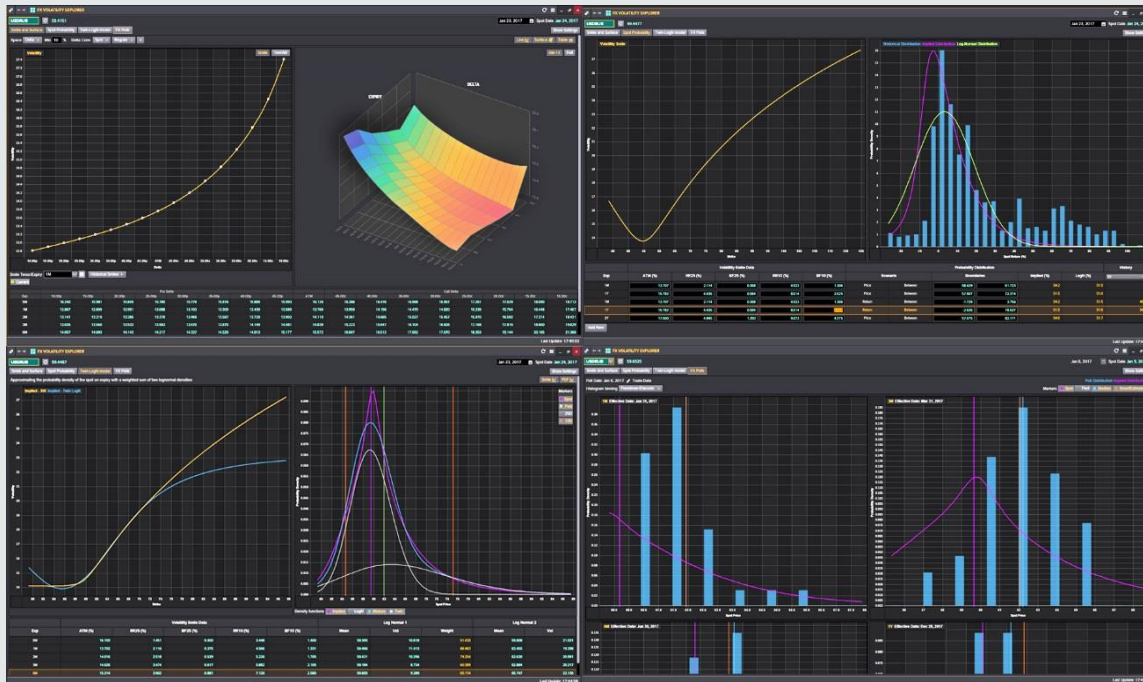
### TARGET AUDIENCE

- FX Traders
- Strategists
- Sell-Side/Buy-Side Analysts
- FX Sales
- Corporate Treasurers

# EIKON PRODUCT GUIDE

## FX VOLATILITY EXPLORER | FXVE

Allows to visualize and analyze FX volatility surface for one currency pair with the smile and surface for any range of strikes, deltas or moneyness, adding real-time and historical smiles, and comparing the market implied probability distribution with FX analysts' predictions.



### KEY BENEFITS

- **Choose** preferred direction for expressing spot rates and strikes for any currency pair
- **Adjust layout** to visualize volatility smiles and surfaces
- **Add** up to 4 historical smiles for comparison
- **Select** different volatility smile interpolation methods
- **Use multiple spot scenarios** to calculate market-implied probabilities
- **Approximate** the probability density of the spot on expiry with a weighted sum of two lognormal densities
- **Access simple graphical overview** of all four forecasting horizons at once
- **Compare** market data on the same day when forecasts are polled
- **Select** from the most frequent histogram binning algorithms

### TARGET AUDIENCE

- FX Sales
- Strategists
- Sell-Side/Buy-Side Analysts
- FX Traders
- Corporate Treasurers