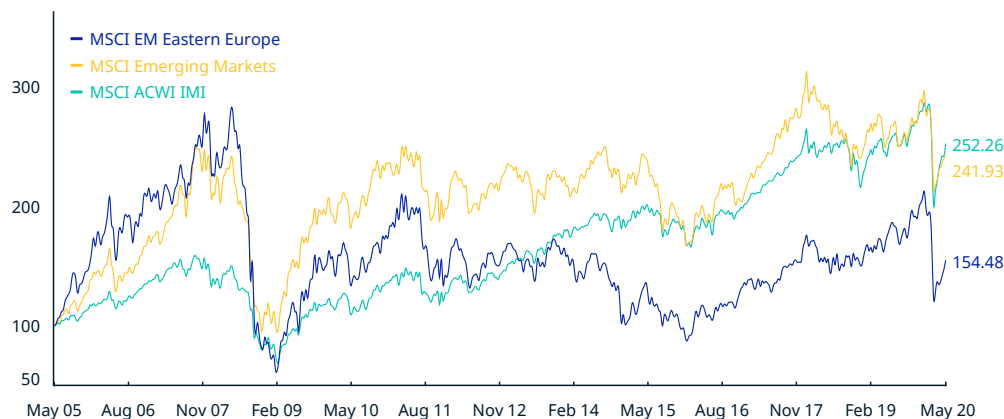


# MSCI Emerging Markets Eastern Europe Index (USD)

The MSCI Emerging Markets (EM) Eastern Europe Index captures large and mid cap representation across 4 Emerging Markets (EM) countries\* in Eastern Europe. With 47 constituents, the index covers approximately 85% of the free float-adjusted market capitalization in each country.

## CUMULATIVE INDEX PERFORMANCE – NET RETURNS (USD) (MAY 2005 – MAY 2020)



## ANNUAL PERFORMANCE (%)

Year	MSCI EM Eastern Europe	MSCI Emerging Markets	MSCI ACWI IMI
2019	34.23	18.42	26.35
2018	-4.16	-14.57	-10.08
2017	17.21	37.28	23.95
2016	37.79	11.19	8.36
2015	-4.69	-14.92	-2.19
2014	-37.59	-2.19	3.84
2013	0.72	-2.60	23.55
2012	17.84	18.22	16.38
2011	-21.58	-18.42	-7.89
2010	15.88	18.88	14.35
2009	83.53	78.51	36.41
2008	-69.10	-53.33	-42.34
2007	25.66	39.42	11.16
2006	46.31	32.14	20.95

## INDEX PERFORMANCE – NET RETURNS (%) (MAY 29, 2020)

	ANNUALIZED								FUNDAMENTALS (MAY 29, 2020)			
	1 Mo	3 Mo	1 Yr	YTD	3 Yr	5 Yr	10 Yr	Since Dec 29, 2000	Div Yld (%)	P/E	P/E Fwd	P/BV
MSCI EM Eastern Europe	8.34	-7.62	-9.83	-23.86	4.95	4.66	0.93	7.95	5.42	6.96	8.20	0.87
MSCI Emerging Markets	0.77	-6.95	-4.39	-15.96	-0.15	0.88	2.47	7.97	2.84	14.26	12.76	1.50
MSCI ACWI IMI	4.60	-0.59	4.34	-9.94	4.65	4.97	8.40	5.32	2.28	18.90	18.71	2.12

## INDEX RISK AND RETURN CHARACTERISTICS (MAY 29, 2020)

	Turnover (%) <sup>1</sup>	ANNUALIZED STD DEV (%) <sup>2</sup>			SHARPE RATIO <sup>2,3</sup>			Since Dec 29, 2000	MAXIMUM DRAWDOWN	
		3 Yr	5 Yr	10 Yr	3 Yr	5 Yr	10 Yr		(%)	Period YYYY-MM-DD
MSCI EM Eastern Europe	2.79	24.01	21.66	24.99	0.25	0.26	0.13	0.36	77.75	2008-05-21–2009-03-02
MSCI Emerging Markets	11.53	18.05	17.62	17.75	-0.02	0.06	0.18	0.39	65.25	2007-10-29–2008-10-27
MSCI ACWI IMI	2.92	16.65	14.82	14.29	0.25	0.32	0.58	0.30	34.52	2020-02-12–2020-03-23

<sup>1</sup> Last 12 months

<sup>2</sup> Based on monthly net returns data

<sup>3</sup> Based on ICE LIBOR 1M

\* EM Eastern Europe countries include: the Czech Republic, Hungary, Poland and Russia.

The MSCI Emerging Markets Eastern Europe Index was launched on Jan 01, 2001. Data prior to the launch date is back-tested data (i.e. calculations of how the index might have performed over that time period had the index existed). There are frequently material differences between back-tested performance and actual results. Past performance – whether actual or back-tested – is no indication or guarantee of future performance.

### INDEX CHARACTERISTICS

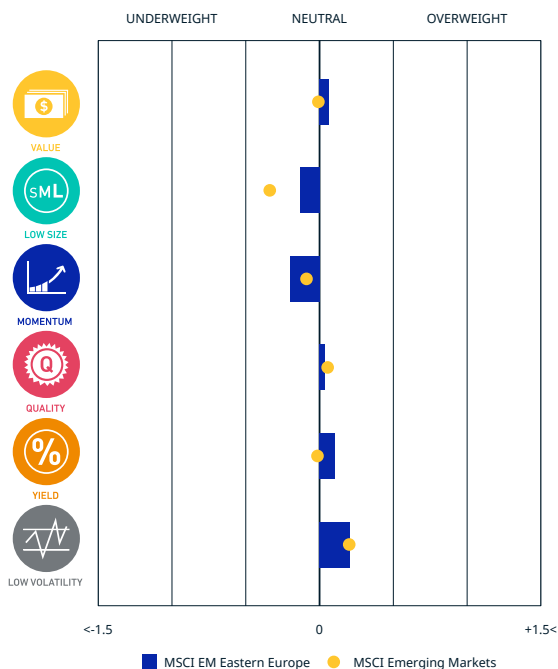
MSCI EM Eastern Europe	
Number of Constituents	47
Mkt Cap (USD Millions)	
Index	248,604.67
Largest	30,851.79
Smallest	348.40
Average	5,289.46
Median	2,592.29

### TOP 10 CONSTITUENTS

	Country	Float Adj Mkt Cap (USD Billions)	Index Wt. (%)	Sector
LUKOIL HOLDING(RUB)	RU	30.85	12.41	Energy
SBERBANK RUSSIA COM(RUB)	RU	30.63	12.32	Financials
GAZPROM (RUB)	RU	30.15	12.13	Energy
NORILSK NICKEL MMC(RUB)	RU	19.81	7.97	Materials
NOVATEK GDR	RU	13.18	5.30	Energy
TATNEFT COMMON (RUB)	RU	11.49	4.62	Energy
OTP BANK	HU	7.46	3.00	Financials
CD PROJEKT	PL	6.79	2.73	Comm Svcs
ROSNEFT (RUB)	RU	6.21	2.50	Energy
POLSKI KONCERN NAF ORLEN	PL	4.99	2.01	Energy
Total		161.56	64.99	

### FACTORS - KEY EXPOSURES THAT DRIVE RISK AND RETURN

#### MSCI FACTOR BOX



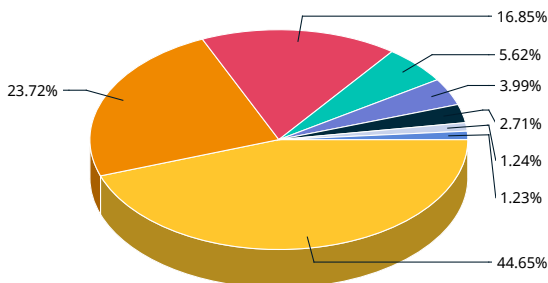
#### MSCI FaCS

- VALUE**  
Relatively Inexpensive Stocks
- LOW SIZE**  
Smaller Companies
- MOMENTUM**  
Rising Stocks
- QUALITY**  
Sound Balance Sheet Stocks
- YIELD**  
Cash Flow Paid Out
- LOW VOLATILITY**  
Lower Risk Stocks

MSCI FaCS provides absolute factor exposures relative to a broad global index - MSCI ACWI IMI.

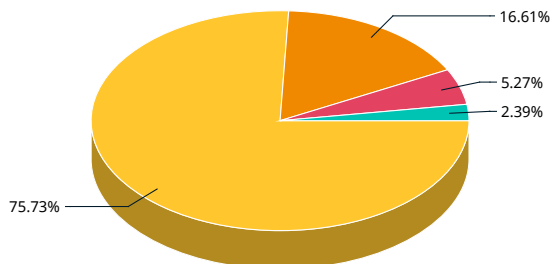
Neutral factor exposure (FaCS = 0) represents MSCI ACWI IMI.

### SECTOR WEIGHTS



- Energy 44.65%
- Financials 23.72%
- Materials 16.85%
- Communication Services 5.62%
- Consumer Staples 3.99%
- Utilities 2.71%
- Consumer Discretionary 1.24%
- Health Care 1.23%

### COUNTRY WEIGHTS



- Russia 75.73%
- Poland 16.61%
- Hungary 5.27%
- Czech Republic 2.39%

## INDEX METHODOLOGY

The index is based on the [MSCI Global Investable Market Indexes \(GIMI\) Methodology](#)—a comprehensive and consistent approach to index construction that allows for meaningful global views and cross regional comparisons across all market capitalization size, sector and style segments and combinations. This methodology aims to provide exhaustive coverage of the relevant investment opportunity set with a strong emphasis on index liquidity, investability and replicability. The index is reviewed quarterly—in February, May, August and November—with the objective of reflecting change in the underlying equity markets in a timely manner, while limiting undue index turnover. During the May and November semi-annual index reviews, the index is rebalanced and the large, mid and small capitalization cutoff points are recalculated.

## FACTOR BOX AND FaCS METHODOLOGY

MSCI FaCS is a standard method ([MSCI FaCS Methodology](#)) for evaluating and reporting the Factor characteristics of equity portfolios. MSCI FaCS consists of Factor Groups (e.g. Value, Size, Momentum, Quality, Yield, and Volatility) that have been extensively documented in academic literature and validated by MSCI Research as key drivers of risk and return in equity portfolios. These Factor Groups are constructed by aggregating 16 factors (e.g. Book-to-Price, Earnings/Dividend Yields, LT Reversal, Leverage, Earnings Variability/Quality, Beta) from the latest Barra global equity factor risk model, GEMLT, designed to make fund comparisons transparent and intuitive for use. The MSCI Factor Box, which is powered by MSCI FaCS, provides a visualization designed to easily compare absolute exposures of funds/indexes and their benchmarks along 6 Factor Groups that have historically demonstrated excess market returns over the long run.

## ABOUT MSCI

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