The MSCI Emerging Markets (EM) Eastern Europe Index captures large and mid cap representation across 4 Emerging Markets (EM) countries* in Eastern Europe. With 48 constituents, the index covers approximately 85% of the free float-adjusted market capitalization in each country.

**ANNUAL PERFORMANCE (%)**

<table>
<thead>
<tr>
<th>Year</th>
<th>MSCI EM Eastern Europe</th>
<th>MSCI Emerging Markets</th>
<th>MSCI ACWI IMI</th>
</tr>
</thead>
<tbody>
<tr>
<td>2018</td>
<td>-4.16</td>
<td>-14.57</td>
<td>-10.08</td>
</tr>
<tr>
<td>2017</td>
<td>17.21</td>
<td>37.28</td>
<td>23.95</td>
</tr>
<tr>
<td>2016</td>
<td>37.79</td>
<td>11.19</td>
<td>8.36</td>
</tr>
<tr>
<td>2015</td>
<td>-4.69</td>
<td>-14.92</td>
<td>-2.19</td>
</tr>
<tr>
<td>2014</td>
<td>-37.59</td>
<td>-2.19</td>
<td>3.84</td>
</tr>
<tr>
<td>2013</td>
<td>0.72</td>
<td>-2.60</td>
<td>23.55</td>
</tr>
<tr>
<td>2012</td>
<td>17.84</td>
<td>18.22</td>
<td>16.38</td>
</tr>
<tr>
<td>2010</td>
<td>15.88</td>
<td>18.88</td>
<td>14.35</td>
</tr>
<tr>
<td>2009</td>
<td>83.53</td>
<td>78.51</td>
<td>36.41</td>
</tr>
<tr>
<td>2008</td>
<td>-69.10</td>
<td>-53.33</td>
<td>-42.34</td>
</tr>
<tr>
<td>2007</td>
<td>25.66</td>
<td>39.42</td>
<td>11.16</td>
</tr>
<tr>
<td>2006</td>
<td>46.31</td>
<td>32.14</td>
<td>20.95</td>
</tr>
<tr>
<td>2005</td>
<td>49.18</td>
<td>34.00</td>
<td>11.54</td>
</tr>
</tbody>
</table>

**INDEX PERFORMANCE — NET RETURNS (%) (SEP 30, 2019)**

- **MSCI EM Eastern Europe**
  - 1 Mo: 2.50
  - 3 Mo: -3.92
  - 1 Yr: 9.42
  - YTD: 17.24
  - ANNUALIZED:
    - 3 Yr: 14.59
    - 5 Yr: 4.83
    - 10 Yr: 2.44
    - Since Dec 29, 2000: 9.04

- **MSCI Emerging Markets**
  - 1 Mo: 1.91
  - 3 Mo: -4.25
  - 1 Yr: -2.02
  - YTD: 5.89
  - ANNUALIZED:
    - 3 Yr: 5.97
    - 5 Yr: 2.33
    - 10 Yr: 3.37
    - Since Dec 29, 2000: 8.62

- **MSCI ACWI IMI**
  - 1 Mo: 2.10
  - 3 Mo: -0.18
  - 1 Yr: 0.48
  - YTD: 15.87
  - ANNUALIZED:
    - 3 Yr: 9.36
    - 5 Yr: 6.61
    - 10 Yr: 8.45
    - Since Dec 29, 2000: 5.61

**INDEX RISK AND RETURN CHARACTERISTICS (SEP 30, 2019)**

- **MSCI EM Eastern Europe**
  - Turnover (%) 1: 3.37
  - ANNUALIZED STD DEV (%) 2:
    - 3 Yr: 16.06
    - 5 Yr: 21.03
    - 10 Yr: 23.46
    - SHARPE RATIO 2, 3:
      - 3 Yr: 0.82
      - 5 Yr: 0.27
      - 10 Yr: 0.19
      - MAXIMUM DRAWDOWN:
        - Since Dec 29, 2000: 0.39
  - MAXIMUM DRAWDOWN:
    - Period YYYY-MM-DD: 2008-05-21—2009-03-02

- **MSCI Emerging Markets**
  - Turnover (%) 1: 8.99
  - ANNUALIZED STD DEV (%) 2:
    - 3 Yr: 10.40
    - 5 Yr: 15.55
    - 10 Yr: 17.05
    - SHARPE RATIO 2, 3:
      - 3 Yr: 0.36
      - 5 Yr: 0.15
      - 10 Yr: 0.24
      - MAXIMUM DRAWDOWN:
        - Since Dec 29, 2000: 0.42
  - MAXIMUM DRAWDOWN:

- **MSCI ACWI IMI**
  - Turnover (%) 1: 2.75
  - ANNUALIZED STD DEV (%) 2:
    - 3 Yr: 11.44
    - 5 Yr: 11.74
    - 10 Yr: 13.32
    - SHARPE RATIO 2, 3:
      - 3 Yr: 0.69
      - 5 Yr: 0.51
      - 10 Yr: 0.63
      - MAXIMUM DRAWDOWN:
        - Since Dec 29, 2000: 0.32
  - MAXIMUM DRAWDOWN:
    - Period YYYY-MM-DD: 2007-10-31—2009-03-09

1 Last 12 months  
2 Based on monthly net returns data  
3 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

<table>
<thead>
<tr>
<th>Number of Constituents</th>
<th>48</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mkt Cap (USD Millions)</td>
<td>288,334.98</td>
</tr>
<tr>
<td>Index</td>
<td>288,334.98</td>
</tr>
<tr>
<td>Largest</td>
<td>37,880.51</td>
</tr>
<tr>
<td>Smallest</td>
<td>287.03</td>
</tr>
<tr>
<td>Average</td>
<td>6,006.98</td>
</tr>
<tr>
<td>Median</td>
<td>2,877.37</td>
</tr>
</tbody>
</table>

TOP 10 CONSTITUENTS

<table>
<thead>
<tr>
<th>Country</th>
<th>Float Adj Mkt Cap (USD Billions)</th>
<th>Index Wt. (%)</th>
<th>Sector</th>
</tr>
</thead>
<tbody>
<tr>
<td>SBERBANK RUSSIA COM(RUB)</td>
<td>37.88</td>
<td>13.14</td>
<td>Financials</td>
</tr>
<tr>
<td>GAZPROM (RUB)</td>
<td>37.09</td>
<td>12.86</td>
<td>Energy</td>
</tr>
<tr>
<td>LUKOIL HOLDING(RUB)</td>
<td>32.65</td>
<td>11.32</td>
<td>Energy</td>
</tr>
<tr>
<td>NOVATEK GDR</td>
<td>18.47</td>
<td>6.41</td>
<td>Energy</td>
</tr>
<tr>
<td>NORILSK NICKEL MMC(RUB)</td>
<td>16.28</td>
<td>5.65</td>
<td>Materials</td>
</tr>
<tr>
<td>TATNEFT COMMON (RUB)</td>
<td>16.16</td>
<td>5.60</td>
<td>Energy</td>
</tr>
<tr>
<td>OTP BANK</td>
<td>9.32</td>
<td>3.23</td>
<td>Financials</td>
</tr>
<tr>
<td>PKG BANK POLSKI</td>
<td>8.58</td>
<td>2.98</td>
<td>Financials</td>
</tr>
<tr>
<td>ROSNEFT (RUB)</td>
<td>7.53</td>
<td>2.61</td>
<td>Energy</td>
</tr>
<tr>
<td>POLSKI KONCERN NAF ORLEN</td>
<td>7.37</td>
<td>2.56</td>
<td>Energy</td>
</tr>
<tr>
<td>Total</td>
<td>191.34</td>
<td>66.36</td>
<td></td>
</tr>
</tbody>
</table>

FACTORS - KEY EXPOSURES THAT DRIVE RISK AND RETURN

MSCI FACTOR BOX

<table>
<thead>
<tr>
<th>UNDERWEIGHT</th>
<th>NEUTRAL</th>
<th>OVERWEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>VALUE</td>
<td>LOW SIZE</td>
<td>MOMENTUM</td>
</tr>
<tr>
<td>QUALITY</td>
<td>YIELD</td>
<td>LOW VOLATILITY</td>
</tr>
</tbody>
</table>

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 47.23%
- Financials 27.7%
- Materials 12.79%
- Consumer Staples 3.77%
- Communication Services 3.72%
- Utilities 2.69%
- Consumer Discretionary 1.31%
- Health Care 0.78%

COUNTRY WEIGHTS

- Russia 73.6%
- Poland 18.37%
- Hungary 5.35%
- Czech Republic 2.67%
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.