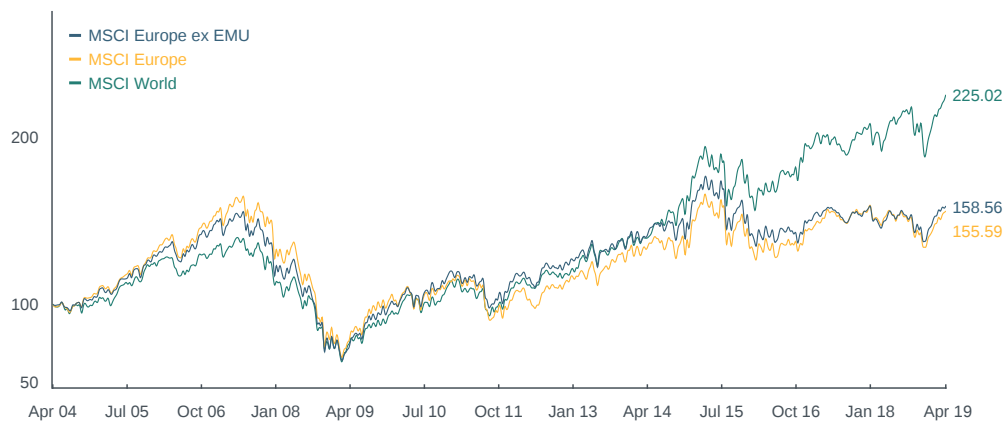


MSCI EUROPE EX EMU INDEX (EUR)

The MSCI Europe ex EMU Index (European Economic and Monetary Union) captures large and mid cap representation across 5 of 15 Developed Markets countries* (excluding those in the EMU). With 194 constituents, the index covers approximately 85% of the free float-adjusted market capitalization in each country.

CUMULATIVE INDEX PERFORMANCE - PRICE RETURNS (EUR) (APR 2004 – APR 2019)



ANNUAL PERFORMANCE (%)

Year	MSCI Europe ex EMU	MSCI Europe	MSCI World
2018	-11.41	-13.10	-5.92
2017	4.58	7.28	5.50
2016	-2.61	-0.50	8.47
2015	3.59	5.47	8.34
2014	5.71	4.10	17.21
2013	13.31	16.42	18.74
2012	11.82	13.38	11.44
2011	-5.34	-10.94	-4.53
2010	16.52	8.04	17.16
2009	31.54	27.15	23.02
2008	-44.33	-45.52	-39.08
2007	-5.11	0.07	-3.41
2006	14.19	16.49	5.51
2005	23.03	22.77	23.95

INDEX PERFORMANCE — PRICE RETURNS (%) (APR 30, 2019)

	1 Mo	3 Mo	1 Yr	YTD	ANNUALIZED			
					3 Yr	5 Yr	10 Yr	Since Dec 31, 1998
MSCI Europe ex EMU	1.80	8.00	4.94	14.47	3.44	1.98	7.32	1.53
MSCI Europe	3.23	9.00	1.54	15.62	4.67	2.73	6.57	1.38
MSCI World	3.56	9.97	12.57	17.96	10.05	9.82	11.18	3.43

FUNDAMENTALS (APR 30, 2019)

Div Yld (%)	P/E	P/E Fwd	P/BV
3.94	15.90	14.09	2.03
3.64	15.70	13.71	1.81
2.44	18.35	15.74	2.46

INDEX RISK AND RETURN CHARACTERISTICS (APR 30, 2019)

	Turnover (%) ¹	ANNUALIZED STD DEV (%) ²			SHARPE RATIO ^{2,3}			Since Dec 31, 1998	MAXIMUM DRAWDOWN	
		3 Yr	5 Yr	10 Yr	3 Yr	5 Yr	10 Yr		(%)	Period YYYY-MM-DD
MSCI Europe ex EMU	1.65	9.33	11.21	11.27	0.45	0.25	0.67	0.05	59.75	2000-09-05—2009-03-09
MSCI Europe	1.71	10.11	11.98	12.34	0.54	0.31	0.57	0.05	61.72	2000-09-04—2009-03-09
MSCI World	2.18	10.25	11.62	10.65	1.03	0.89	1.04	0.19	65.24	2000-09-07—2009-03-09

¹ Last 12 months ² Based on monthly price returns data ³ Based on ICE LIBOR 1M

* Developed Market countries in the index include: Denmark, Norway, Sweden, Switzerland and the UK.

The MSCI Europe ex EMU Index was launched on Apr 30, 1998. 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.

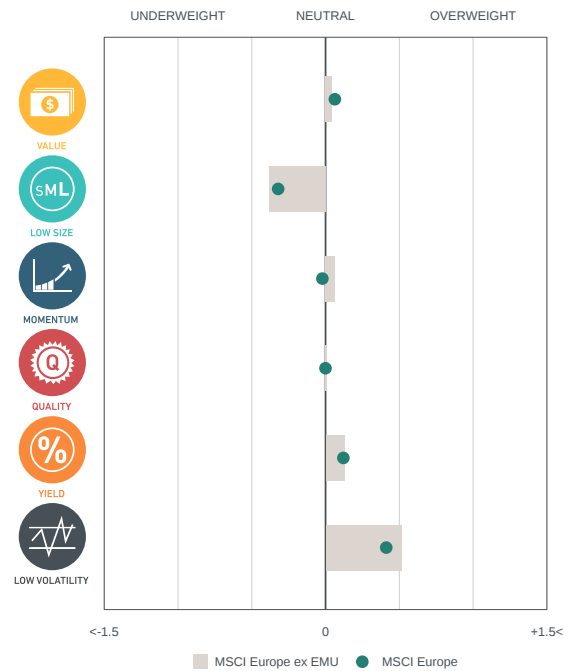
INDEX CHARACTERISTICS

MSCI Europe ex EMU	
Number of Constituents	194
Mkt Cap (EUR Millions)	
Index	3,841,660.92
Largest	262,985.04
Smallest	1,543.85
Average	19,802.38
Median	8,975.82

TOP 10 CONSTITUENTS

	Country	Float Adj Mkt Cap (EUR Billions)	Index Wt. (%)	Sector
NESTLE	CH	262.99	6.85	Cons Staples
ROCHE HOLDING GENUSS	CH	165.24	4.30	Health Care
NOVARTIS	CH	157.97	4.11	Health Care
HSBC HOLDINGS (GB)	GB	155.47	4.05	Financials
BP	GB	130.42	3.39	Energy
ROYAL DUTCH SHELL A	GB	128.43	3.34	Energy
ROYAL DUTCH SHELL B	GB	107.38	2.80	Energy
DIAGEO	GB	91.29	2.38	Cons Staples
GLAXOSMITHKLINE	GB	90.80	2.36	Health Care
ASTRAZENECA	GB	84.38	2.20	Health Care
Total		1,374.36	35.78	

FACTORS - KEY EXPOSURES THAT DRIVE RISK AND RETURN MSCI FACTOR BOX



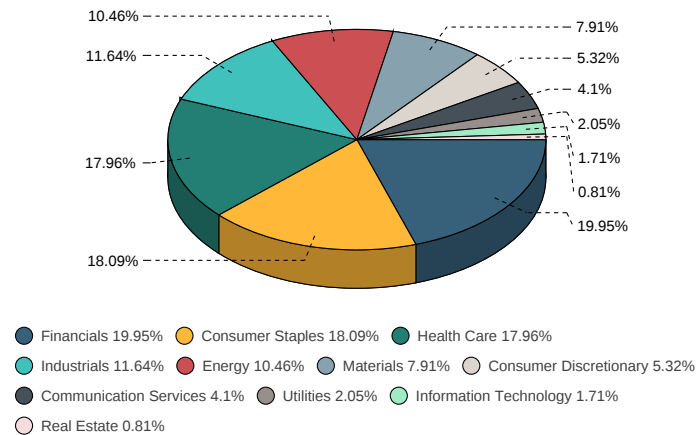
MSCI FaCS

- 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

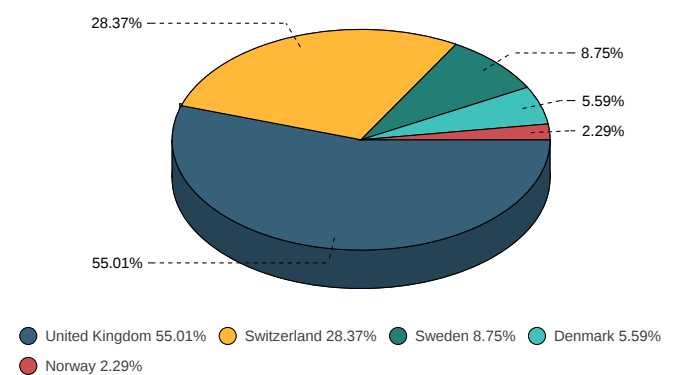
MSCI FaCS provides absolute factor exposures relative to a broad global index - MSCI ACWI IMI.

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

SECTOR WEIGHTS



COUNTRY WEIGHTS



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 and mid 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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