

MSCI EMU Index (EUR)

The MSCI EMU Index (European Economic and Monetary Union) captures large and mid cap representation across the 10 Developed Markets countries in the EMU*. With 239 constituents, the index covers approximately 85% of the free float-adjusted market capitalization of the EMU.

CUMULATIVE INDEX PERFORMANCE – GROSS RETURNS (EUR) (DEC 2005 – DEC 2020)



ANNUAL PERFORMANCE (%)

Year	MSCI EMU	MSCI World	MSCI ACWI
2020	-0.46	6.88	7.18
2019	26.51	30.76	29.64
2018	-12.01	-3.58	-4.34
2017	13.30	8.10	9.47
2016	5.25	11.39	11.73
2015	10.55	11.03	9.34
2014	5.08	20.14	19.23
2013	24.42	21.86	18.11
2012	20.61	14.75	15.01
2011	-14.08	-1.84	-3.75
2010	3.29	20.14	21.08
2009	28.66	26.72	31.19
2008	-44.35	-37.24	-38.83
2007	8.54	-1.18	1.18

INDEX PERFORMANCE – GROSS RETURNS (%) (DEC 31, 2020)

	1 Mo	3 Mo	1 Yr	YTD	ANNUALIZED				Since Dec 31, 1998
					3 Yr	5 Yr	10 Yr		
MSCI EMU	1.99	12.79	-0.46	-0.46	3.48	5.73	7.06	4.26	
MSCI World	1.94	9.33	6.88	6.88	10.45	10.17	11.50	6.18	
MSCI ACWI	2.34	10.02	7.18	7.18	9.95	10.21	10.73	6.26	

FUNDAMENTALS (DEC 31, 2020)

Div Yld (%)	P/E	P/E Fwd	P/BV
2.19	26.03	17.60	1.72
1.78	28.38	20.97	2.92
1.81	27.26	20.00	2.75

INDEX RISK AND RETURN CHARACTERISTICS (DEC 31, 2020)

	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 EMU	3.57	19.51	16.63	15.98	0.29	0.44	0.51	0.24	59.70	2007-07-16–2009-03-09
MSCI World	3.20	16.59	13.75	12.30	0.71	0.81	0.95	0.38	33.73	2020-02-19–2020-03-23
MSCI ACWI	3.84	16.24	13.42	12.14	0.69	0.83	0.91	0.38	33.40	2020-02-19–2020-03-23

¹ Last 12 months

² Based on monthly gross returns data

³ Based on ICE LIBOR 1M

* Developed Market countries in the EMU include: Austria, Belgium, Finland, France, Germany, Ireland, Italy, the Netherlands, Portugal and Spain.

The MSCI 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

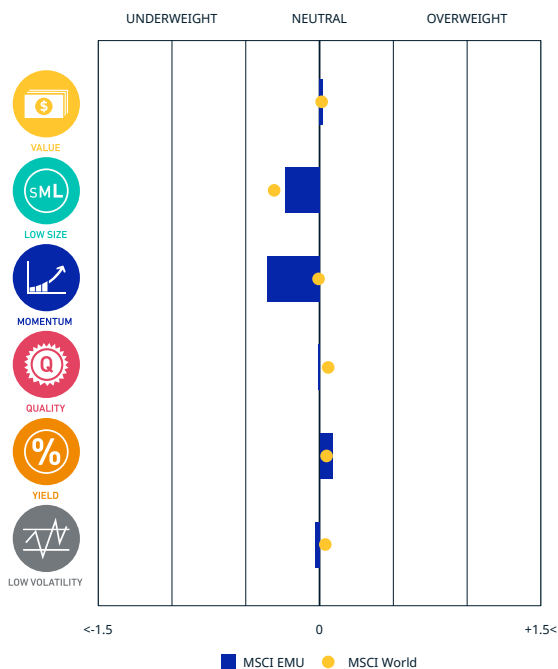
MSCI EMU	
Number of Constituents	239
Mkt Cap (EUR Millions)	
Index	4,170,208.32
Largest	169,220.90
Smallest	1,966.98
Average	17,448.57
Median	9,099.87

TOP 10 CONSTITUENTS

	Country	Float Adj Mkt Cap (EUR Billions)	Index Wt. (%)	Sector
ASML HLDG	NL	169.22	4.06	Info Tech
LVMH MOET HENNESSY	FR	141.83	3.40	Cons Discr
SAP	DE	111.96	2.68	Info Tech
SIEMENS	DE	89.90	2.16	Industrials
SANOFI	FR	89.17	2.14	Health Care
TOTAL	FR	88.97	2.13	Energy
ALLIANZ	DE	83.73	2.01	Financials
L'OREAL	FR	78.22	1.88	Cons Staples
IBERDROLA	ES	70.58	1.69	Utilities
ENEL	IT	67.31	1.61	Utilities
Total		990.90	23.76	

FACTORS - KEY EXPOSURES THAT DRIVE RISK AND RETURN

MSCI FACTOR BOX



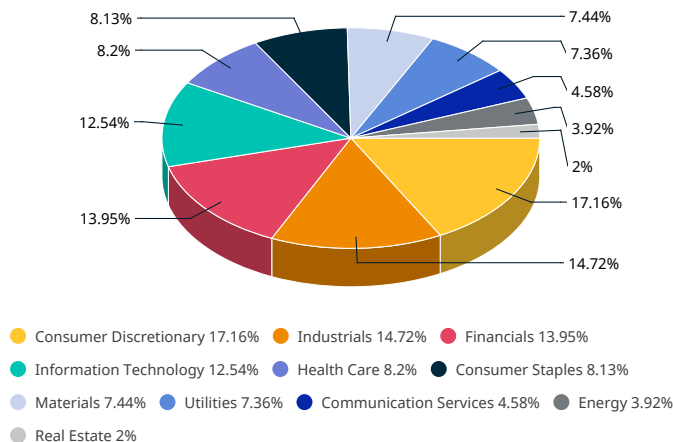
MSCI FaCS

- 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

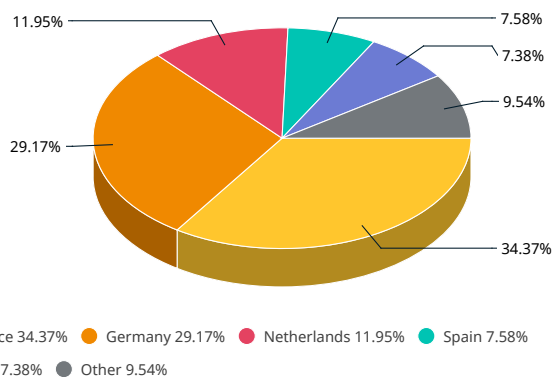
MSCI FaCS provides absolute factor exposures relative to a broad global index - MSCI ACWI IMI.

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

MSCI is a leading provider of critical decision support tools and services for the global investment community. With over 45 years of expertise in research, data and technology, we power better investment decisions by enabling clients to understand and analyze key drivers of risk and return and confidently build more effective portfolios. We create industry-leading research-enhanced solutions that clients use to gain insight into and improve transparency across the investment process. To learn more, please visit www.msci.com.

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