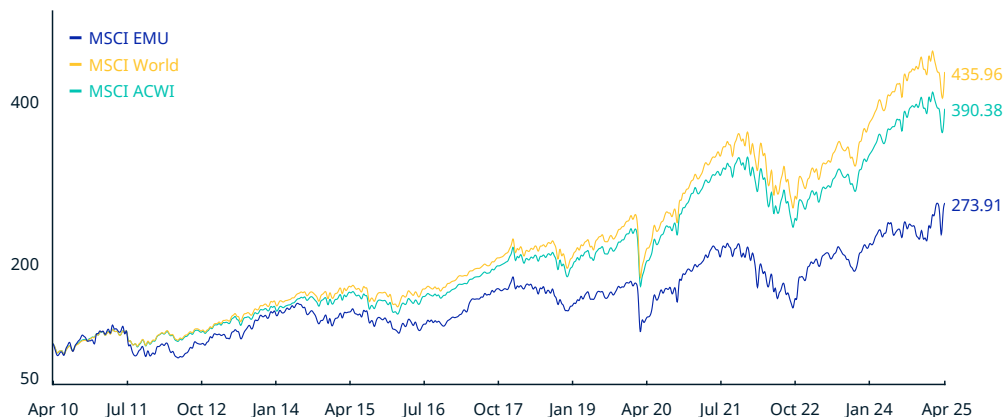


MSCI EMU Index (USD)

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 216 constituents, the index covers approximately 85% of the free float-adjusted market capitalization of the EMU.

For a complete description of the index methodology, please see [Index methodology - MSCI](#).

CUMULATIVE INDEX PERFORMANCE – GROSS RETURNS (USD) (APR 2010 – APR 2025)



ANNUAL PERFORMANCE (%)

Year	MSCI EMU	MSCI World	MSCI ACWI
2024	3.43	19.19	18.02
2023	23.85	24.42	22.81
2022	-17.21	-17.73	-17.96
2021	14.27	22.35	19.04
2020	8.50	16.50	16.82
2019	24.23	28.40	27.30
2018	-16.23	-8.20	-8.93
2017	28.99	23.07	24.62
2016	2.19	8.15	8.48
2015	-0.76	-0.32	-1.84
2014	-7.73	5.50	4.71
2013	30.03	27.37	23.44
2012	22.49	16.54	16.80
2011	-16.86	-5.02	-6.86

INDEX PERFORMANCE – GROSS RETURNS (%) (APR 30, 2025)

	1 Mo	3 Mo	1 Yr	YTD	ANNUALIZED				Since Dec 31, 1987
					3 Yr	5 Yr	10 Yr		
MSCI EMU	5.52	9.99	16.77	18.47	14.92	14.85	6.93	8.19	
MSCI World	0.94	-4.17	12.64	-0.77	11.60	14.48	9.91	8.46	
MSCI ACWI	0.98	-3.51	12.34	-0.25	10.80	13.59	9.18	8.27	

FUNDAMENTALS (APR 30, 2025)

Div Yld (%)	P/E	P/E Fwd	P/BV
3.04	15.56	13.64	1.86
1.86	21.23	18.09	3.32
1.95	20.24	17.16	3.06

INDEX RISK AND RETURN CHARACTERISTICS (APR 30, 2025)

	Turnover (%) ¹	ANNUALIZED STD DEV (%) ²			SHARPE RATIO ^{2,3}			Since Dec 31, 1987	MAXIMUM DRAWDOWN	
		3 Yr	5 Yr	10 Yr	3 Yr	5 Yr	10 Yr		(%)	Period YYYY-MM-DD
MSCI EMU	2.35	19.78	20.09	18.65	0.59	0.66	0.35	0.33	64.29	2007-10-31–2009-03-09
MSCI World	2.39	15.86	15.76	15.05	0.50	0.77	0.57	0.40	57.46	2007-10-31–2009-03-09
MSCI ACWI	2.60	15.45	15.25	14.82	0.46	0.74	0.54	0.39	58.06	2007-10-31–2009-03-09

¹ Last 12 months

² Based on monthly gross returns data

³ Based on NY FED Overnight SOFR from Sep 1 2021 & on ICE LIBOR 1M prior that date

*DM 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 test (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

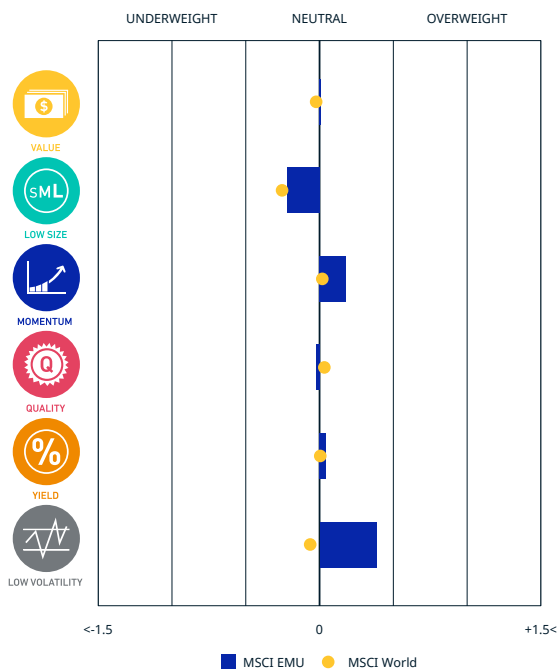
MSCI EMU	
Number of Constituents	216
Mkt Cap (USD Millions)	
Index	6,212,198.77
Largest	303,047.96
Smallest	2,378.60
Average	28,760.18
Median	14,057.03

TOP 10 CONSTITUENTS

	Country	Float Adj Mkt Cap (USD Billions)	Index Wt. (%)	Sector
SAP	DE	303.05	4.88	Info Tech
ASML HLDG	NL	260.78	4.20	Info Tech
SIEMENS	DE	174.47	2.81	Industrials
ALLIANZ	DE	159.83	2.57	Financials
LVMH MOET HENNESSY	FR	152.62	2.46	Cons Discr
SCHNEIDER ELECTRIC	FR	126.94	2.04	Industrials
TOTALENERGIES	FR	125.50	2.02	Energy
DEUTSCHE TELEKOM	DE	125.38	2.02	Comm Srvc
SANOFI	FR	123.93	1.99	Health Care
AIR LIQUIDE	FR	118.69	1.91	Materials
Total		1,671.19	26.90	

FACTORS - KEY EXPOSURES THAT DRIVE RISK AND RETURN

MSCI FACTOR BOX



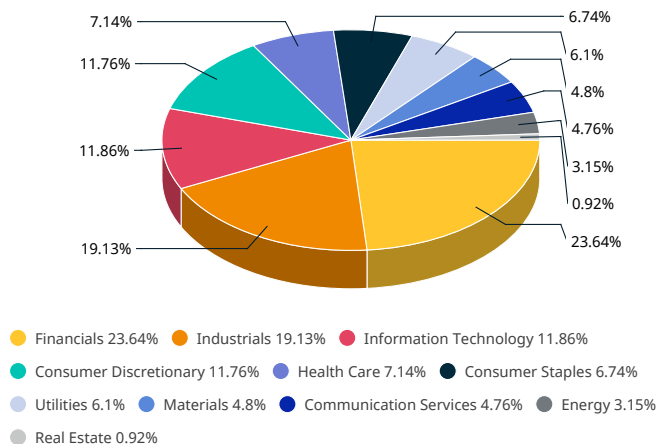
MSCI FaCS

- 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

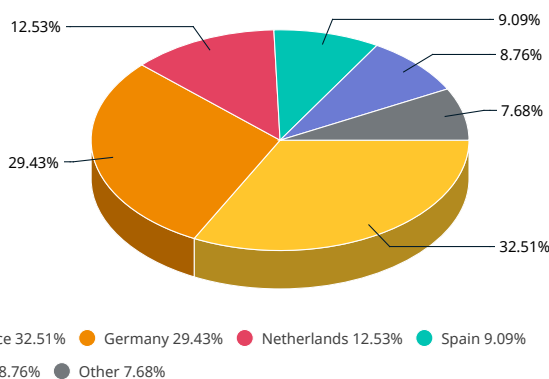
MSCI FaCS provides absolute factor exposures relative to a broad global index - MSCI ACWI IMI.

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

SECTOR WEIGHTS



COUNTRY WEIGHTS



MSCI FACTOR BOX AND FaCS FRAMEWORK (Please refer to complete description of the MSCI FaCS methodology [here](#))

MSCI FaCS is a standard method 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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