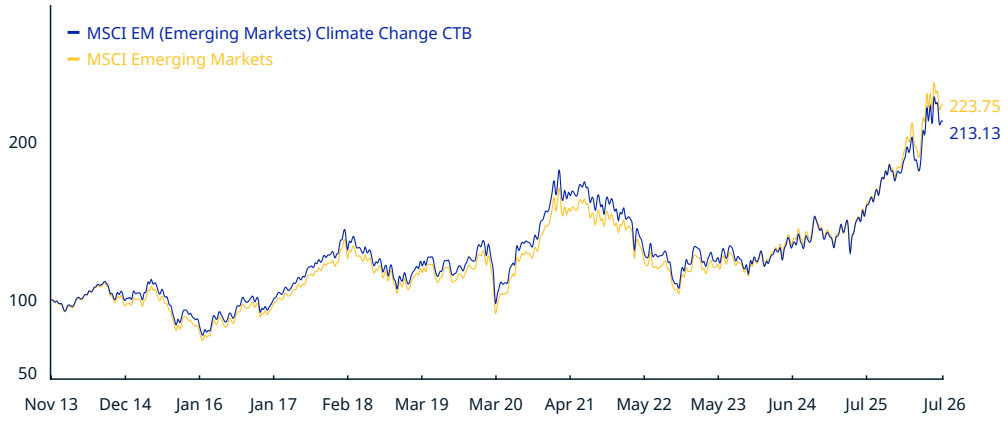
MSCI EM (Emerging Markets) Climate Change CTB Index (USD)

The MSCI EM (Emerging Markets) Climate Change CTB Index is based on the MSCI Emerging Markets Index, its parent index, and includes large and mid-cap securities across 24 Emerging Markets (EM) countries*. The index aims to represent the performance of an investment strategy that re-weights securities based upon the opportunities and risks associated with the transition to a lower carbon economy, while seeking to minimize exclusions from the parent index. The Indexes are designed to exceed the minimum standards of the EU Climate Transition Benchmark (CTB).

For a complete description of the index methodology, please see Index methodology - MSCI.

CUMULATIVE INDEX PERFORMANCE — NET RETURNS (USD) (NOV 2013 – JUL 2026)



ANNUAL PERFORMANCE (%)

Year	MSCI EM (Emerging Markets) Climate Change CTB	MSCI Emerging Markets
2025	31.59	33.57
2024	5.81	7.50
2023	6.58	9.83
2022	-21.38	-20.09
2021	-3.71	-2.54
2020	20.82	18.31
2019	19.89	18.42
2018	-15.55	-14.57
2017	39.24	37.28
2016	9.17	11.19
2015	-14.09	-14.92
2014	1.25	-2.19

INDEX PERFORMANCE — NET RETURNS (%) (JUL 31, 2026)

					ANNUALIZED			
	1 Mo	3 Mo	1 Yr	YTD	3 Yr	5 Yr	10 Yr	Since Nov 26, 2013
MSCI EM (Emerging Markets) Climate Change CTB	-5.04	3.87	30.87	17.06	16.04	5.67	8.24	6.15
MSCI Emerging Markets	-3.07	4.82	36.44	20.04	19.33	8.03	9.19	6.55

FUNDAMENTALS (JUL 31, 2026)

	Div Yld (%)	P/E	P/E Fwd	P/BV
MSCI EM (Emerging Markets) Climate Change CTB	1.69	19.44	10.29	2.95
MSCI Emerging Markets	2.03	17.72	10.35	2.45

INDEX RISK AND RETURN CHARACTERISTICS (NOV 26, 2013 – JUL 31, 2026)

				ANNUALIZED STD DEV (%) [2]			SHARPE RATIO [2,3]				MAXIMUM DRAWDOWN	
	Beta	Tracking Error (%)	Turnover (%) [1]	3 Yr	5 Yr	10 Yr	3 Yr	5 Yr	10 Yr	Since Nov 26, 2013	(%)	Period YYYY-MM-DD
MSCI EM (Emerging Markets) Climate Change CTB	1.01	1.98	21.34	18.73	19.15	17.84	0.64	0.19	0.40	0.31	41.17	2021-02-17—2022-10-24
MSCI Emerging Markets	1.00	0.00	5.58	17.97	18.46	17.44	0.82	0.32	0.45	0.34	39.00	2021-02-17—2022-10-24

[1] Last 12 months [2] Based on monthly net returns data [3] Based on NY FED Overnight SOFR from Sep 1 2021 & on ICE LIBOR 1M prior that date

* EM countries include: Brazil, Chile, China, Colombia, Czech Republic, Egypt, Greece, Hungary, India, Indonesia, Korea, Kuwait, Malaysia, Mexico, Peru, Philippines, Poland, Qatar, Saudi Arabia, South Africa, Taiwan, Thailand, Turkey and United Arab Emirates.

The MSCI EM (Emerging Markets) Climate Change CTB Index was launched on Jun 20, 2019. 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

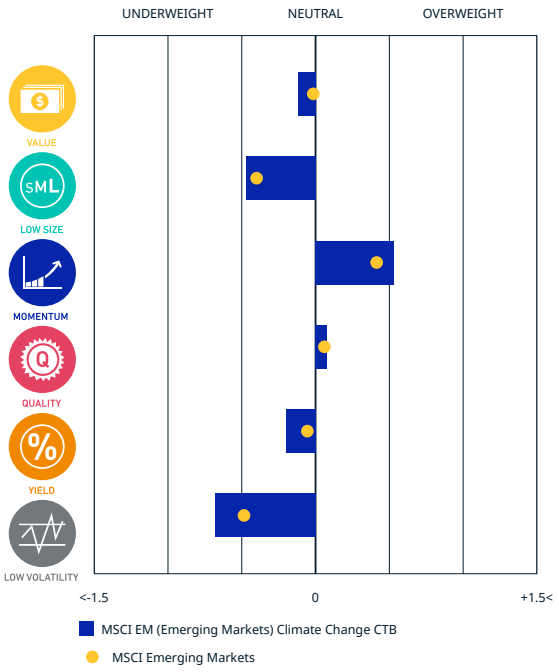
	MSCI EM (Emerging Markets) Climate Change CTB	MSCI Emerging Markets
Number of Constituents	1,084	1,178
	Weight (%)	
Largest	15.30	15.46
Smallest	0.00	0.00
Average	0.09	0.08
Median	0.02	0.03

TOP 10 CONSTITUENTS

	Country	Index Wt. (%)	Parent Index Wt. (%)	Sector
TAIWAN SEMICONDUCTOR MFG	TW	15.30	15.46	Info Tech
SK HYNIX	KR	9.83	5.57	Info Tech
SAMSUNG ELECTRONICS CO	KR	6.59	7.20	Info Tech
ALIBABA GRP HLDG (HK)	CN	4.32	2.09	Cons Discr
TENCENT HOLDINGS LI (CN)	CN	3.61	3.12	Comm Srvcs
MEDIATEK INC	TW	2.48	1.33	Info Tech
DELTA ELECTRONICS	TW	1.65	0.83	Info Tech
SAMSUNG ELECTRONICS PREF	KR	1.10	0.90	Info Tech
HDFC BANK	IN	0.81	0.75	Financials
BYD CO H	CN	0.81	0.37	Cons Discr
Total		46.50	37.62	

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

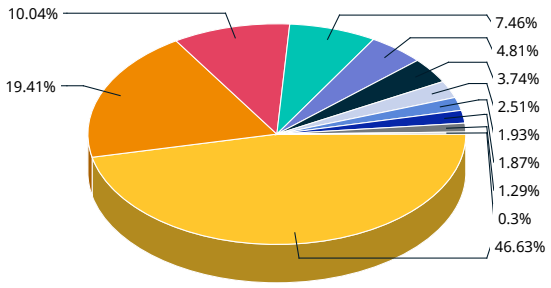
YIELD
Cash Flow Paid Out

LOW VOLATILITY
Lower Risk Stocks

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

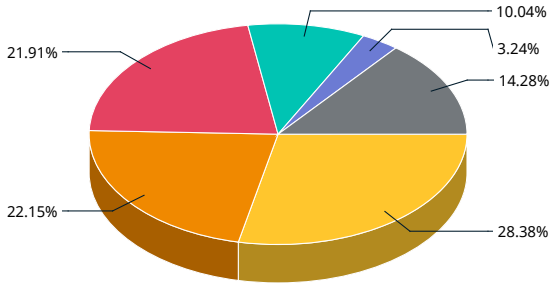
Neutral factor exposure (FaCS = 0) represents MSCI ACWI IMI.

SECTOR WEIGHTS



Information Technology 46.63% · Financials 19.41% · Consumer Discretionary 10.04% · Communication Services 7.46% · Industrials 4.81% · Health Care 3.74% · Consumer Staples 2.51% · Real Estate 1.93% · Materials 1.87% · Utilities 1.29% · Energy 0.3%

COUNTRY WEIGHTS



Taiwan 28.38% · China 22.15% · South Korea 21.91% · India 10.04% · South Africa 3.24% · Other 14.28%

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 (NYSE: MSCI Inc.) strengthens global markets by connecting participants across the financial ecosystem with a common language. Our research-based data, analytics and indexes, supported by advanced technology, set standards for global investors and help our clients understand risks and opportunities so they can make better decisions and unlock innovation. We serve asset managers and owners, private-market sponsors and investors, hedge funds, wealth managers, banks, insurers and corporates. To learn more, please visit www.msci.com.

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