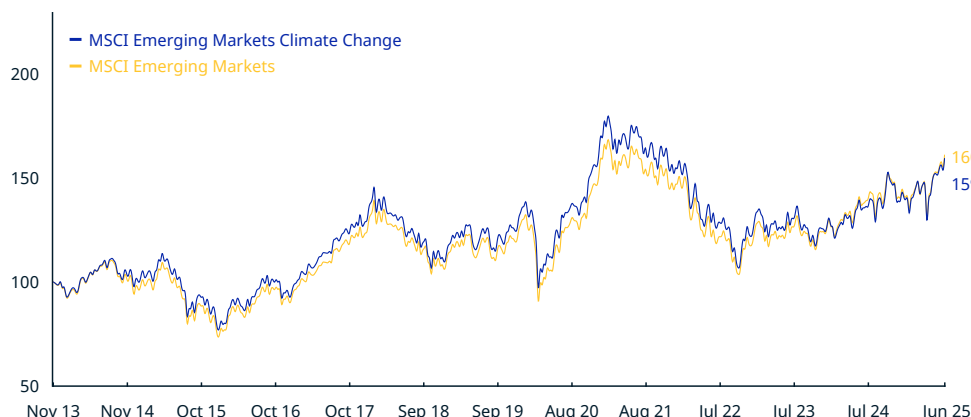


# MSCI Emerging Markets Climate Change Index (USD)

The MSCI Emerging Markets Climate Change 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 – JUN 2025)



## ANNUAL PERFORMANCE (%)

Year	MSCI Emerging Markets Climate Change	MSCI Emerging Markets
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 (%) (JUN 30, 2025)

	1 Mo	3 Mo	1 Yr	YTD	ANNUALIZED				Since Nov 26, 2013
					3 Yr	5 Yr	10 Yr		
MSCI Emerging Markets Climate Change	5.65	11.39	17.15	15.10	7.16	5.32	4.28	4.09	
MSCI Emerging Markets	6.01	11.99	15.29	15.27	9.70	6.81	4.81	4.18	

## FUNDAMENTALS (JUN 30, 2025)

Div Yld (%)	P/E	P/E Fwd	P/BV
2.25	16.62	13.88	2.21
2.61	15.06	12.68	1.89

## INDEX RISK AND RETURN CHARACTERISTICS (NOV 26, 2013 – JUN 30, 2025)

	Beta	Tracking Error (%)	Turnover (%) <sup>1</sup>	ANNUALIZED STD DEV (%) <sup>2</sup>			SHARPE RATIO <sup>2,3</sup>			Since Nov 26, 2013	MAXIMUM DRAWDOWN	
				3 Yr	5 Yr	10 Yr	3 Yr	5 Yr	10 Yr		(%)	Period YYYY-MM-DD
MSCI Emerging Markets Climate Change	1.01	1.80	14.51	18.57	17.10	17.40	0.22	0.22	0.21	0.21	41.17	2021-02-17–2022-10-24
MSCI Emerging Markets	1.00	0.00	5.25	17.14	16.24	17.00	0.36	0.31	0.24	0.22	39.00	2021-02-17–2022-10-24

<sup>1</sup> Last 12 months

<sup>2</sup> Based on monthly net returns data

<sup>3</sup> 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 Emerging Markets Climate Change 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

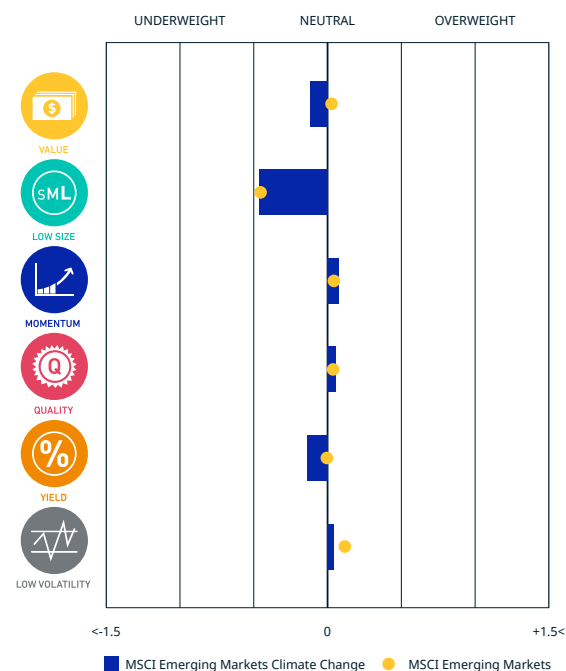
	MSCI Emerging Markets Climate Change	MSCI Emerging Markets
<b>Number of Constituents</b>	1,117	1,203
	<b>Weight (%)</b>	
<b>Largest</b>	10.26	10.20
<b>Smallest</b>	0.00	0.00
<b>Average</b>	0.09	0.08
<b>Median</b>	0.02	0.03

## TOP 10 CONSTITUENTS

	Country	Index Wt. (%)	Parent Index Wt. (%)	Sector
TAIWAN SEMICONDUCTOR MFG	TW	10.26	10.20	Info Tech
TENCENT HOLDINGS LI (CN)	CN	4.68	4.71	Comm Svcs
ALIBABA GRP HLDG (HK)	CN	3.88	2.74	Cons Discr
SAMSUNG ELECTRONICS CO	KR	3.17	2.39	Info Tech
XIAOMI CORP B	CN	2.03	1.49	Info Tech
HDFC BANK	IN	1.62	1.51	Financials
PDD HOLDINGS A ADR	CN	1.50	0.83	Cons Discr
BYD CO H	CN	1.49	0.66	Cons Discr
MEDIATEK INC	TW	1.38	0.74	Info Tech
SK HYNIX	KR	1.33	1.35	Info Tech
<b>Total</b>		<b>31.35</b>	<b>26.62</b>	

## FACTORS - KEY EXPOSURES THAT DRIVE RISK AND RETURN

## MSCI FACTOR BOX



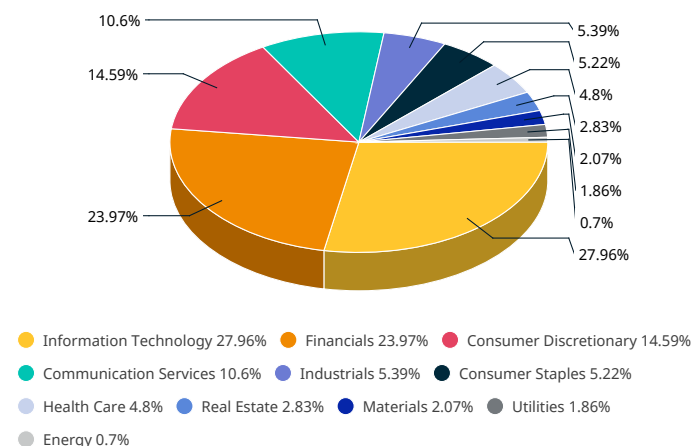
## MSCI FaCS

- 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

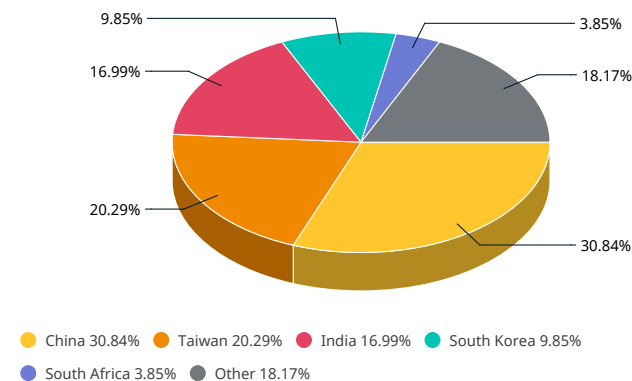
MSCI FaCS provides absolute factor exposures relative to a broad global index - MSCI ACWI IMI.

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 50 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](http://www.msci.com).

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