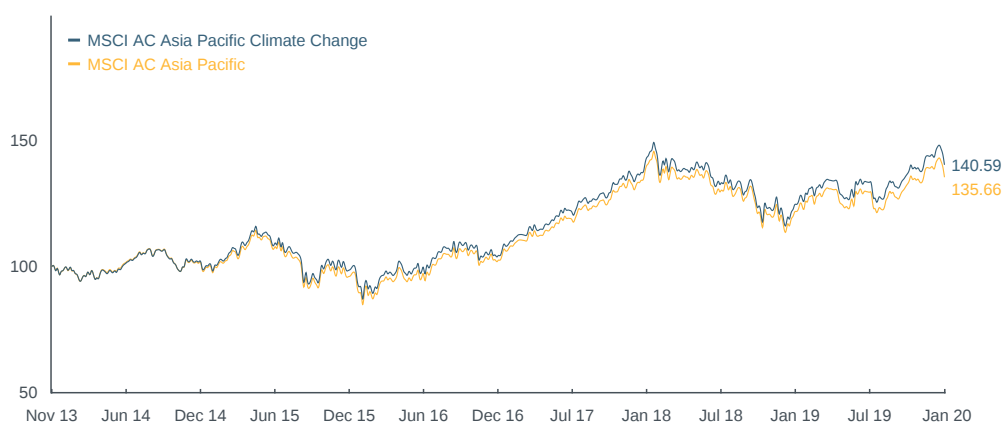


# MSCI AC ASIA PACIFIC CLIMATE CHANGE INDEX (USD)

The MSCI AC Asia Pacific Climate Change Index is based on the MSCI AC Asia Pacific Index, its parent index, and includes large and mid-cap securities across 5 Developed Markets (DM) countries\* and 9 Emerging Markets (EM) countries\* in Asia Pacific region. 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.

## CUMULATIVE INDEX PERFORMANCE - NET RETURNS (USD) (NOV 2013 – JAN 2020)



## ANNUAL PERFORMANCE (%)

Year	MSCI AC Asia Pacific Climate Change	MSCI AC Asia Pacific
2019	20.67	19.36
2018	-13.46	-13.52
2017	32.15	31.67
2016	4.02	4.89
2015	-0.05	-1.96
2014	0.67	0.00

## INDEX PERFORMANCE — NET RETURNS (%) (JAN 31, 2020)

	1 Mo	3 Mo	1 Yr	YTD	ANNUALIZED				Since Nov 26, 2013
					3 Yr	5 Yr	10 Yr	Since Nov 26, 2013	
MSCI AC Asia Pacific Climate Change	-2.62	2.43	9.86	-2.62	8.58	6.49	na	5.66	
MSCI AC Asia Pacific	-2.85	1.91	8.55	-2.85	7.96	5.93	na	5.06	

## FUNDAMENTALS (JAN 31, 2020)

Div Yld (%)	P/E	P/E Fwd	P/BV
2.45	15.49	14.06	1.58
2.58	15.27	13.72	1.52

## INDEX RISK AND RETURN CHARACTERISTICS (NOV 26, 2013 – JAN 31, 2020)

	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 AC Asia Pacific Climate Change	0.99	0.63	6.28	11.85	13.10	na	0.60	0.45	na	0.42	22.47	2018-01-26—2018-12-25
MSCI AC Asia Pacific	1.00	0.00	5.74	11.83	13.16	na	0.55	0.41	na	0.37	22.32	2018-01-26—2018-12-25

<sup>1</sup> Last 12 months      <sup>2</sup> Based on monthly net returns data      <sup>3</sup> Based on ICE LIBOR 1M

\* Developed Markets countries in the index include: Australia, Hong Kong, Japan, New Zealand and Singapore. Emerging Markets countries include: China, India, Indonesia, Korea, Malaysia, Pakistan, the Philippines, Taiwan and Thailand.

The MSCI AC Asia Pacific Climate Change Index was launched on Jun 20, 2019. 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.

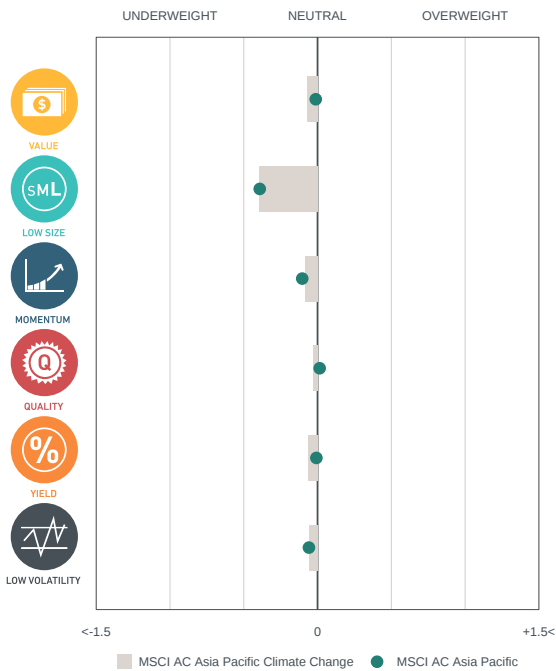
### INDEX CHARACTERISTICS

	MSCI AC Asia Pacific Climate Change	MSCI AC Asia Pacific
Number of Constituents	1,309	1,585
	Weight (%)	
Largest	4.05	3.60
Smallest	0.00	0.00
Average	0.08	0.06
Median	0.03	0.02

### TOP 10 CONSTITUENTS

	Country	Index Wt. (%)	Parent Index Wt. (%)	Sector
ALIBABA GROUP HLDG ADR	CN	4.05	3.60	Cons Discr
TENCENT HOLDINGS LI (CN)	CN	3.26	2.84	Comm Srvc
TAIWAN SEMICONDUCTOR MFG	TW	2.67	2.69	Info Tech
SAMSUNG ELECTRONICS CO	KR	2.42	2.33	Info Tech
AIA GROUP	HK	1.43	1.25	Financials
COMMONWEALTH BANK OF AUS	AU	1.20	1.04	Financials
CSL	AU	1.09	0.98	Health Care
SONY CORP	JP	1.01	0.93	Cons Discr
CENTRAL JAPAN RAILWAY CO	JP	0.88	0.30	Industrials
CHINA CONSTRUCTION BK H	CN	0.87	0.76	Financials
<b>Total</b>		<b>18.89</b>	<b>16.72</b>	

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



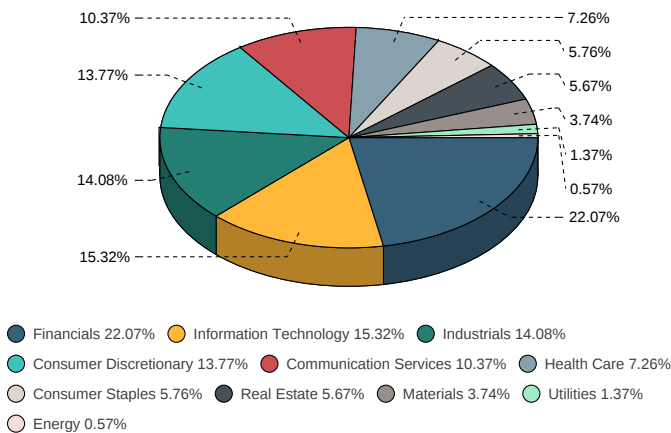
### MSCI FaCS

- 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

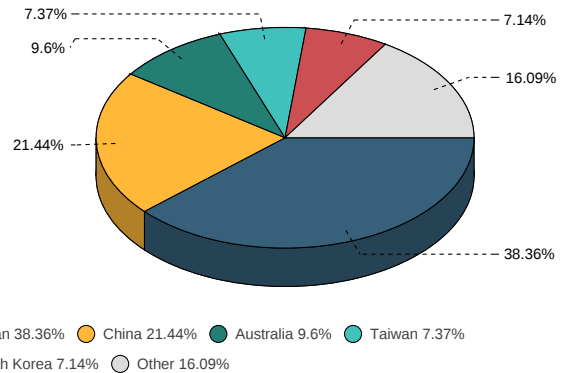
MSCI FaCS provides absolute factor exposures relative to a broad global index - MSCI ACWI IMI.

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

### SECTOR WEIGHTS



### COUNTRY WEIGHTS



## INDEX METHODOLOGY

The MSCI Climate Change Indexes methodology uses the MSCI Low Carbon Transition score and category to re-weight constituents of a parent index to increase exposure to companies participating in opportunities associated with transition and decrease exposure to companies exposed to risks associated with transition.

The Indexes are rebalanced on a semi-annual basis, as of the close of the last business day of May and November, coinciding with the May and November semi-annual Index Review of the MSCI Global Investable Market Indexes.

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

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