

# MSCI WORLD CLIMATE CHANGE INDEX (USD)

The MSCI World Climate Change Index is based on the MSCI World Index, its parent index, and includes large and mid-cap securities across 23 Developed Markets (DM)\* 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.

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



## ANNUAL PERFORMANCE (%)

Year	MSCI World Climate Change	MSCI World
2019	29.19	27.67
2018	-8.29	-8.71
2017	23.79	22.40
2016	6.47	7.51
2015	1.25	-0.87
2014	5.60	4.94

## 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		
MSCI World Climate Change	0.01	6.10	20.12	0.01	12.56	9.95	na	9.11	
MSCI World	-0.61	5.22	17.73	-0.61	11.45	9.00	na	8.18	

## FUNDAMENTALS (JAN 31, 2020)

Div Yld (%)	P/E	P/E Fwd	P/BV
2.18	20.50	17.12	2.76
2.34	19.98	16.85	2.57

## 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 (%)	Period YYYY-MM-DD
				3 Yr	5 Yr	10 Yr	3 Yr	5 Yr	10 Yr			
MSCI World Climate Change	1.00	1.01	4.21	11.35	11.68	na	0.94	0.77	na	0.75	18.68	2018-01-26—2018-12-25
MSCI World	1.00	0.00	2.56	11.30	11.64	na	0.86	0.70	na	0.67	18.71	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

\* DM countries include: Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Hong Kong, Ireland, Israel, Italy, Japan, Netherlands, New Zealand, Norway, Portugal, Singapore, Spain, Sweden, Switzerland, the UK and the US.

The MSCI World 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.

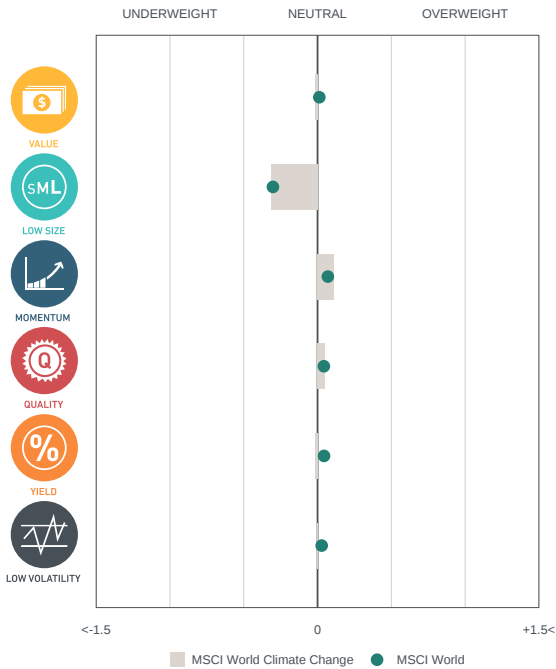
### INDEX CHARACTERISTICS

	MSCI World Climate Change	MSCI World
Number of Constituents	1,608	1,644
	Weight (%)	
Largest	3.29	3.15
Smallest	0.00	0.00
Average	0.06	0.06
Median	0.02	0.02

### TOP 10 CONSTITUENTS

	Index Wt. (%)	Parent Index Wt. (%)	Sector
APPLE	3.29	3.15	Info Tech
MICROSOFT CORP	3.10	2.78	Info Tech
AMAZON.COM	2.05	1.90	Cons Discr
INTEL CORP	1.70	0.64	Info Tech
FACEBOOK A	1.18	1.10	Comm Srvc
ALPHABET C	1.11	1.01	Comm Srvc
ALPHABET A	1.06	0.97	Comm Srvc
JPMORGAN CHASE & CO	1.06	0.95	Financials
JOHNSON & JOHNSON	0.94	0.89	Health Care
VISA A	0.84	0.77	Info Tech
<b>Total</b>	<b>16.34</b>	<b>14.17</b>	

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



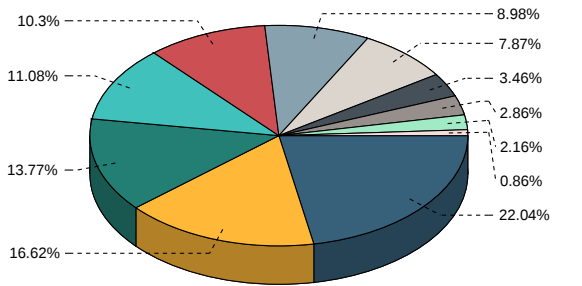
### MSCI FaCS

- 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.

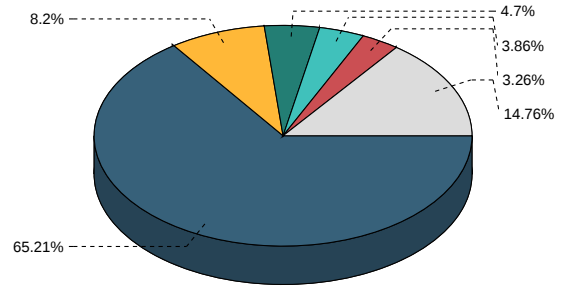
Neutral factor exposure (FaCS = 0) represents MSCI ACWI IMI.

### SECTOR WEIGHTS



- Information Technology 22.04%
- Financials 16.62%
- Health Care 13.77%
- Industrials 11.08%
- Consumer Discretionary 10.3%
- Communication Services 8.98%
- Consumer Staples 7.87%
- Real Estate 3.46%
- Materials 2.86%
- Utilities 2.16%
- Energy 0.86%

### COUNTRY WEIGHTS



- United States 65.21%
- Japan 8.2%
- United Kingdom 4.7%
- France 3.86%
- Switzerland 3.26%
- Other 14.76%

## 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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