

# MSCI Japan Climate Action Index (USD)

The MSCI Japan Climate Action Index is designed to represent the performance of companies that have been assessed to lead their sector peers in terms of their positioning and actions relative to a climate transition. MSCI Climate Action Indexes use MSCI ESG Business Involvement Screening Research and MSCI Climate Change Metrics to identify companies that are involved in the following business activities such as Controversial Weapons, Tobacco, Thermal Coal Mining, Oil Sands and Nuclear Weapons.

## CUMULATIVE INDEX PERFORMANCE – NET RETURNS (USD) (NOV 2018 – MAY 2023)



## ANNUAL PERFORMANCE (%)

Year	MSCI Japan Climate Action	MSCI Japan
2022	-16.98	-16.65
2021	0.53	1.71
2020	16.06	14.48
2019	22.31	19.61

## INDEX PERFORMANCE – NET RETURNS (%) (MAY 31, 2023)

	1 Mo	3 Mo	1 Yr	YTD	ANNUALIZED				Since Nov 30, 2018
					3 Yr	5 Yr	10 Yr		
MSCI Japan Climate Action	2.36	7.07	4.81	9.08	3.94	na	na	4.08	
MSCI Japan	1.86	6.29	4.53	8.56	4.29	na	na	3.67	

## FUNDAMENTALS (MAY 31, 2023)

Div Yld (%)	P/E	P/E Fwd	P/BV
2.21	23.35	15.98	1.50
2.41	16.69	13.95	1.34

## INDEX RISK AND RETURN CHARACTERISTICS (NOV 30, 2018 – MAY 31, 2023)

	Beta	Tracking Error (%)	Turnover (%) <sup>1</sup>	ANNUALIZED STD DEV (%) <sup>2</sup>			SHARPE RATIO <sup>2,3</sup>			Since Nov 30, 2018	MAXIMUM DRAWDOWN	
				3 Yr	5 Yr	10 Yr	3 Yr	5 Yr	10 Yr		(%)	Period YYYY-MM-DD
MSCI Japan Climate Action	0.99	1.37	15.96	16.09	na	na	0.25	na	na	0.24	33.43	2021-09-14–2022-10-21
MSCI Japan	1.00	0.00	2.30	16.24	na	na	0.27	na	na	0.21	33.42	2021-09-14–2022-10-21

<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

The MSCI Japan Climate Action Index was launched on Oct 04, 2022. 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**

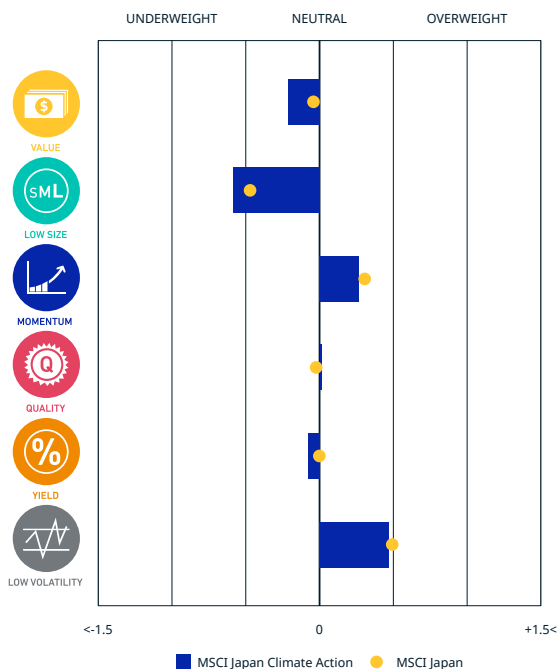
	MSCI Japan Climate Action	MSCI Japan
<b>Number of Constituents</b>	114	237
<b>Weight (%)</b>		
<b>Largest</b>	5.40	4.30
<b>Smallest</b>	0.07	0.04
<b>Average</b>	0.88	0.42
<b>Median</b>	0.52	0.22

**TOP 10 CONSTITUENTS**

	Index Wt. (%)	Parent Index Wt. (%)	Sector
SONY GROUP CORP	5.40	3.53	Cons Discr
TOYOTA MOTOR CORP	4.41	4.30	Cons Discr
MITSUBISHI UFJ FIN GRP	4.10	2.37	Financials
TOKYO ELECTRON	3.18	1.84	Info Tech
DAIICHI SANKYO CO	2.93	1.69	Health Care
SHIN-ETSU CHEMICAL CO	2.92	1.69	Materials
HITACHI	2.87	1.66	Industrials
SUMITOMO MITSUI FINL GRP	2.73	1.58	Financials
KDDI	2.55	1.47	Comm Svcs
TAKEDA PHARMACEUTICAL	2.45	1.41	Health Care
<b>Total</b>	<b>33.53</b>	<b>21.53</b>	

**FACTORS - KEY EXPOSURES THAT DRIVE RISK AND RETURN**

**MSCI FACTOR BOX**



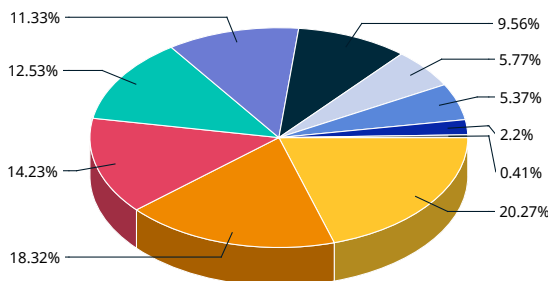
**MSCI FaCS**

- 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**



- Consumer Discretionary 20.27%
- Industrials 18.32%
- Information Technology 14.23%
- Financials 12.53%
- Health Care 11.33%
- Communication Services 9.56%
- Consumer Staples 5.77%
- Materials 5.37%
- Real Estate 2.2%
- Utilities 0.41%

## INDEX FRAMEWORK

Companies from the underlying MSCI Japan (the "Parent Index") are assessed relative to their sector peers based on their emissions intensity, emissions reduction commitments, climate risk management and revenue from greener businesses. The Index uses this assessment to select 50% of the companies from each GICS® sector in the Parent Index. Overall the Index targets a coverage of 50% of the companies per sector from the Parent Index. Additionally, the max issuer weights are capped at 5%.

This summary is provided for illustrative purposes only and does not include all material elements of the index or its methodology. For a complete description of the index methodology, please see [Index methodology - MSCI](#).

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

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