

MSCI Europe Climate Change Index (USD)

The MSCI Europe Climate Change Index is based on the MSCI Europe Index, its parent index, and includes large and mid-cap securities across 15 Developed Markets (DM) in Europe. 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 – APR 2024)



ANNUAL PERFORMANCE (%)

Year	MSCI Europe Climate Change	MSCI Europe
2023	20.75	19.89
2022	-18.50	-15.06
2021	16.30	16.30
2020	7.88	5.38
2019	25.26	23.77
2018	-15.96	-14.86
2017	25.70	25.51
2016	-2.22	-0.40
2015	-0.85	-2.84
2014	-5.47	-6.18

INDEX PERFORMANCE – NET RETURNS (%) (APR 30, 2024)

	1 Mo	3 Mo	1 Yr	YTD	ANNUALIZED				Since Nov 26, 2013	FUNDAMENTALS (APR 30, 2024)			
					3 Yr	5 Yr	10 Yr	Div Yld (%)		P/E	P/E Fwd	P/BV	
MSCI Europe Climate Change	-2.34	2.82	7.20	3.37	3.04	6.81	4.04	4.63	2.74	18.25	15.81	2.48	
MSCI Europe	-1.89	3.36	7.48	3.24	3.96	6.79	3.99	4.62	3.19	14.90	13.40	2.08	

INDEX RISK AND RETURN CHARACTERISTICS (NOV 26, 2013 – APR 30, 2024)

	Beta	Tracking Error (%)	Turnover (%) ¹	ANNUALIZED STD DEV (%) ²			SHARPE RATIO ^{2,3}			Since Nov 26, 2013	MAXIMUM DRAWDOWN	
				3 Yr	5 Yr	10 Yr	3 Yr	5 Yr	10 Yr		(%)	Period YYYY-MM-DD
MSCI Europe Climate Change	1.01	1.73	16.71	19.01	19.80	16.59	0.11	0.33	0.23	0.26	34.76	2020-02-12–2020-03-23
MSCI Europe	1.00	0.00	3.30	18.18	19.45	16.36	0.15	0.33	0.23	0.26	35.82	2018-01-25–2020-03-23

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

* DM countries include: Austria, Belgium, Denmark, Finland, France, Germany, Ireland, Italy, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the UK.

The MSCI Europe 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

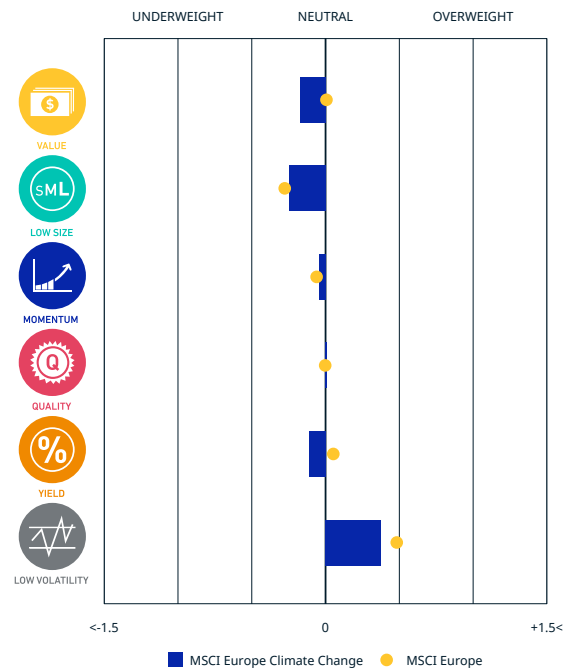
	MSCI Europe Climate Change	MSCI Europe
Number of Constituents	389	420
	Weight (%)	
Largest	5.49	3.93
Smallest	0.00	0.02
Average	0.26	0.24
Median	0.10	0.10

TOP 10 CONSTITUENTS

	Country	Index Wt. (%)	Parent Index Wt. (%)	Sector
NOVO NORDISK B	DK	5.49	3.93	Health Care
ASML HLDG	NL	4.46	3.34	Info Tech
SAP	DE	3.64	1.76	Info Tech
SCHNEIDER ELECTRIC	FR	3.58	1.16	Industrials
ASTRAZENECA	GB	3.04	2.18	Health Care
LVMH MOET HENNESSY	FR	2.86	2.13	Cons Discr
NOVARTIS	CH	2.58	1.85	Health Care
ROCHE HOLDING GENUSS	CH	2.19	1.57	Health Care
IBERDROLA	ES	2.16	0.70	Utilities
SANOFI	FR	1.47	1.05	Health Care
Total		31.46	19.67	

FACTORS - KEY EXPOSURES THAT DRIVE RISK AND RETURN

MSCI FACTOR BOX



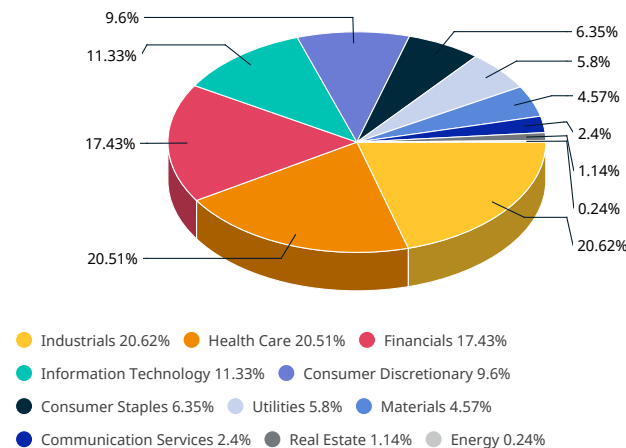
MSCI FaCS

- 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

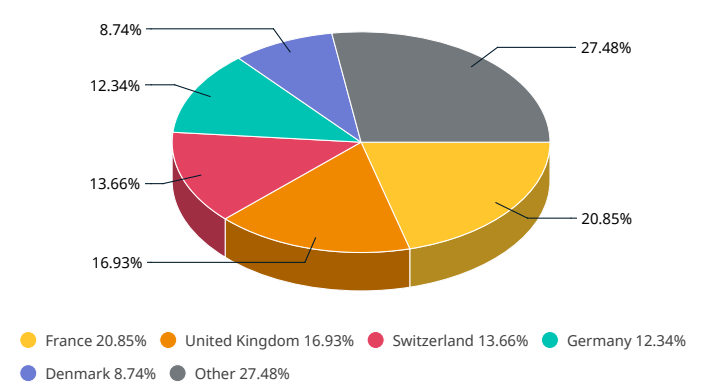
MSCI FaCS provides absolute factor exposures relative to a broad global index - MSCI ACWI IMI.

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

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