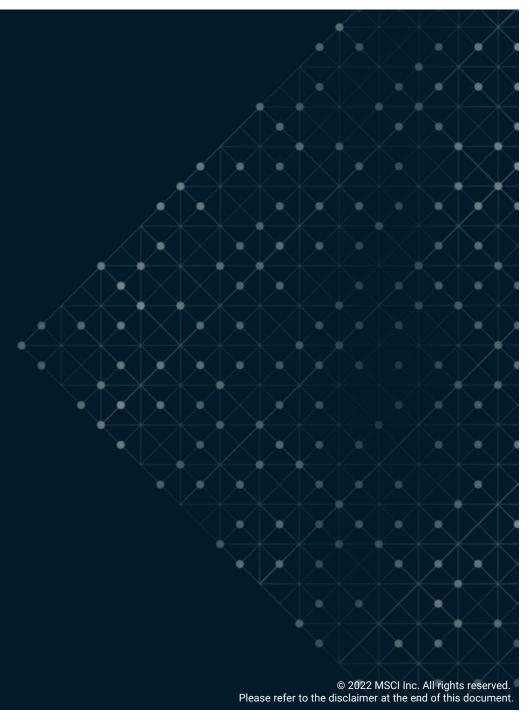


MSCI IndexMetrics®

MSCI WORLD LOW CARBON LEADERS INDEX
MSCI EM LOW CARBON LEADERS INDEX

September 2022





MSCI World Low Carbon Leaders Index

Key Metrics

	MSCI World Index	MSCI World Low Carbon Leaders Index - Current	MSCI World Low Carbon Leaders Index - Simulated
Total Return* (%)	0.6	0.4	-0.1
Total Risk (%)	15.8	15.7	15.9
Return / Risk	0.04	0.02	-0.01
Sharpe Ratio	0.02	0.01	-0.03
Active Return (%)	0.0	-0.2	-0.7
Tracking Error (%)	0.0	0.3	0.5
Information Ratio		-0.50	-1.32
Historical Beta	1.00	1.00	1.01
Number of Constituents***	1552	1228	1227
Turnover** (%)	1.6	9.1	14.2
Price to Book***	3.1	3.0	3.0
Price to Earnings***	22.6	22.1	22.1
Dividend Yield*** (%)	1.8	1.8	1.8

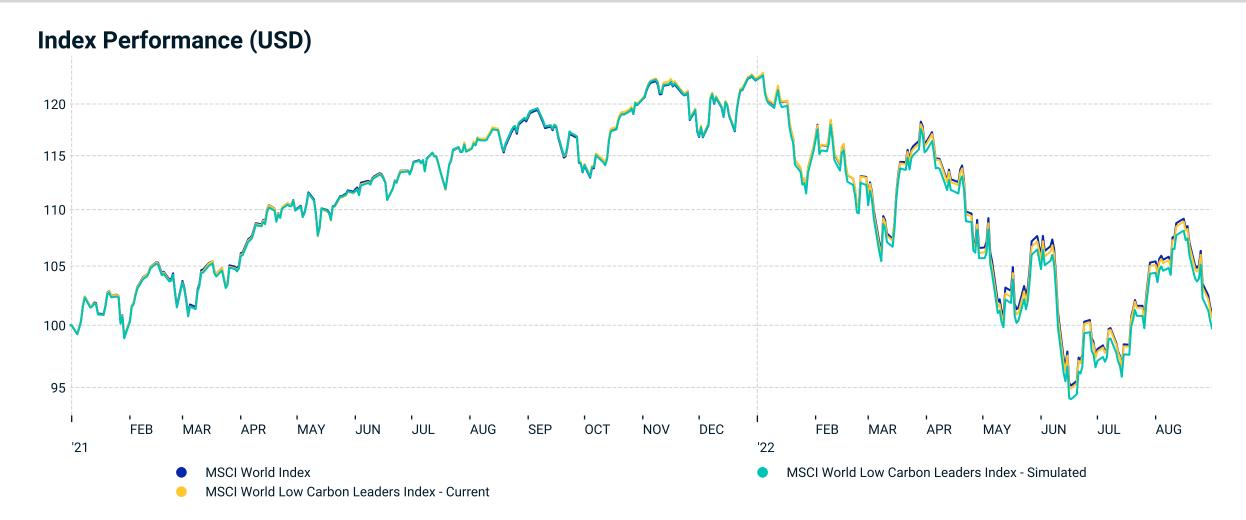
Period: Dec 31, 2020 to Aug 31, 2022. * Gross returns annualized in USD ** Annualized one-way index turnover over index reviews *** Monthly averages

Performance (%)

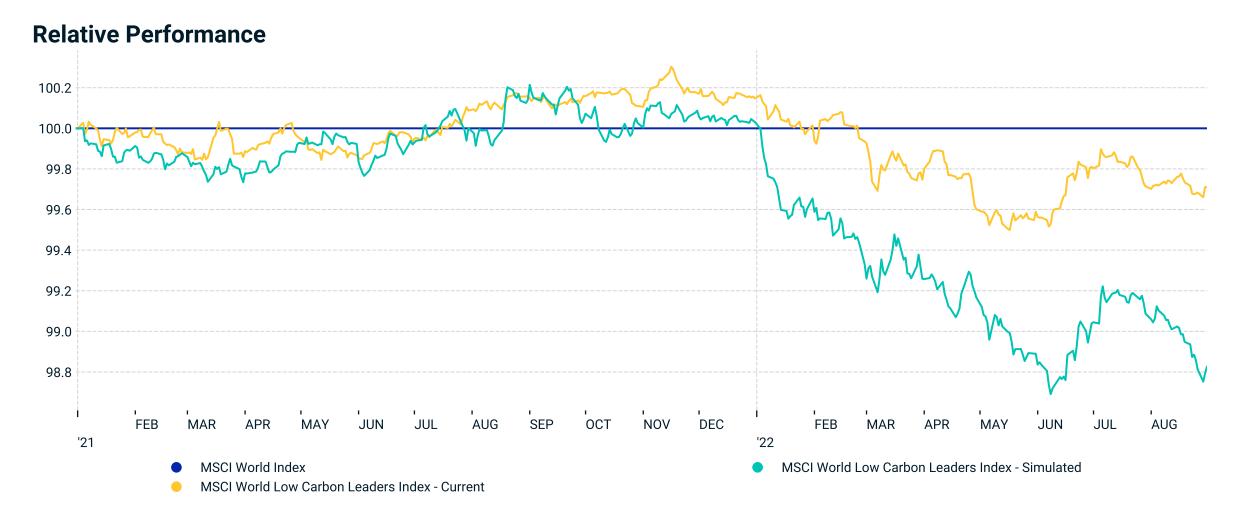
	MSCI World Index	MSCI World Low Carbon Leaders Index - Current	MSCI World Low Carbon Leaders Index - Simulated
YTD	-17.5	-17.9	-18.5
1 Yr	-14.7	-15.1	-15.8
3 Yr			
5 Yr			
10 Yr			

Gross returns for the period ending Aug 31, 2022. Returns are annualized for periods longer than a year

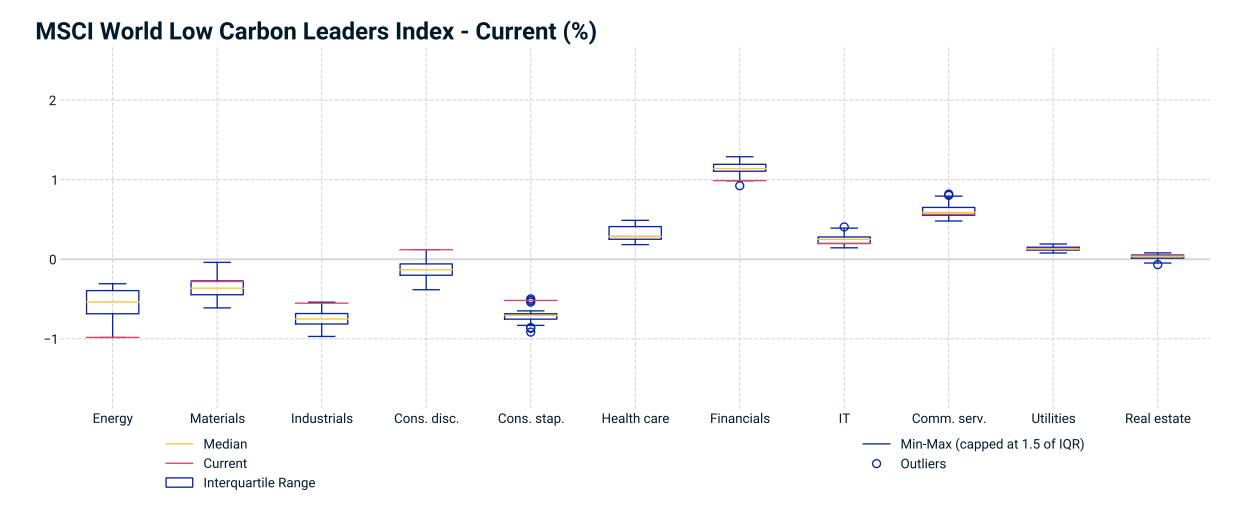




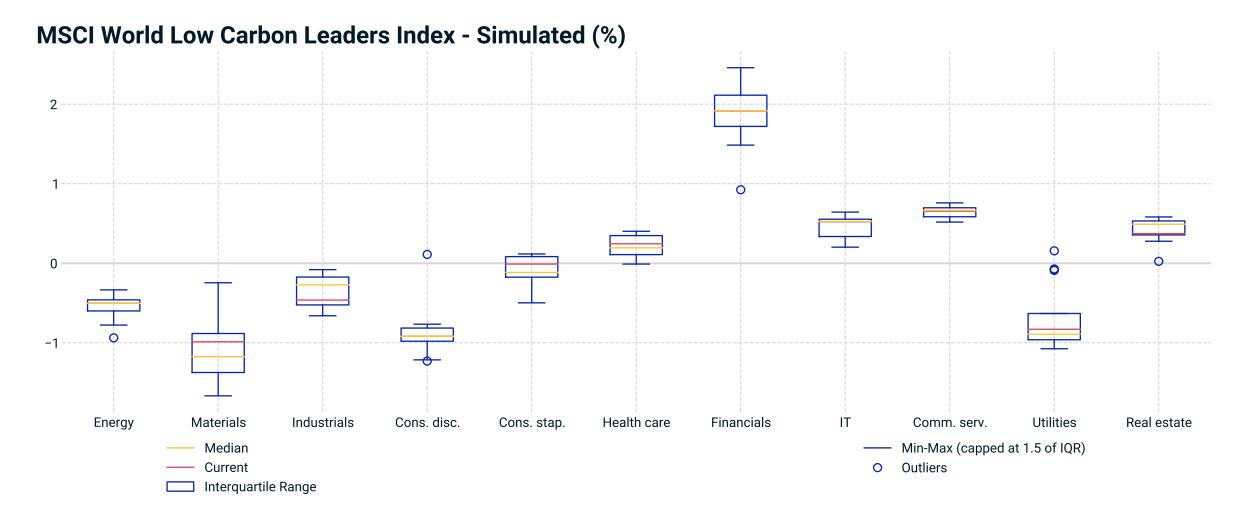














MSCI World Low Carbon Leaders Index - Current (%)

moor trong zon caracin zoaacin maen caracin (sy					
	Min	Max	Average	Current	
Energy	-1.0	-0.3	-0.6	-1.0	
Materials	-0.6	-0.0	-0.3	-0.3	
Industrials	-1.0	-0.5	-0.7	-0.6	
Cons. Disc.	-0.4	0.1	-0.1	0.1	
Cons. Stap.	-0.9	-0.5	-0.7	-0.5	
Health Care	0.2	0.5	0.3	0.3	
Financials	0.9	1.3	1.1	1.0	
IT	0.1	0.4	0.2	0.2	
Comm. Serv.	0.5	8.0	0.6	0.6	
Utilities	0.1	0.2	0.1	0.1	
Real Estate	-0.1	0.1	0.0	0.0	

Period: Dec 31, 2020 to Aug 31, 2022, monthly data.

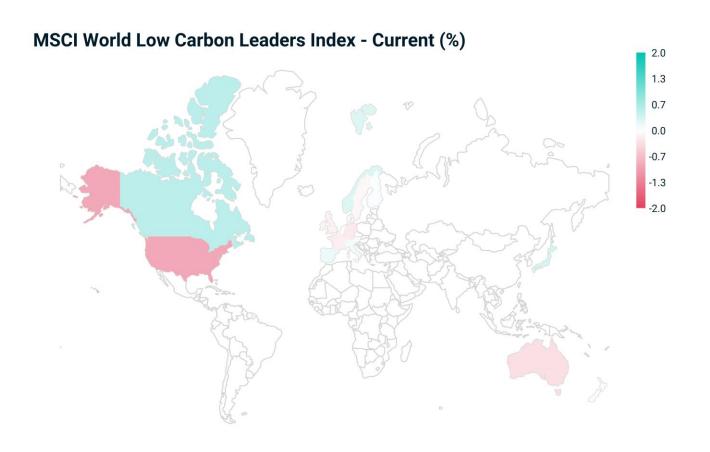
MSCI World Low Carbon Leaders Index - Simulated (%)

	Min	Max	Average	Current
Energy	-0.9	-0.3	-0.5	-0.5
Materials	-1.7	-0.2	-1.1	-1.0
Industrials	-0.7	-0.1	-0.3	-0.5
Cons. Disc.	-1.2	0.1	-0.9	-0.9
Cons. Stap.	-0.5	0.1	-0.1	-0.0
Health Care	-0.0	0.4	0.2	0.2
Financials	0.9	2.5	1.9	1.9
IT	0.2	0.6	0.5	0.5
Comm. Serv.	0.5	0.8	0.6	0.7
Utilities	-1.1	0.2	-0.7	-0.8
Real Estate	0.0	0.6	0.4	0.4

Period: Dec 31, 2020 to Aug 31, 2022, monthly data.

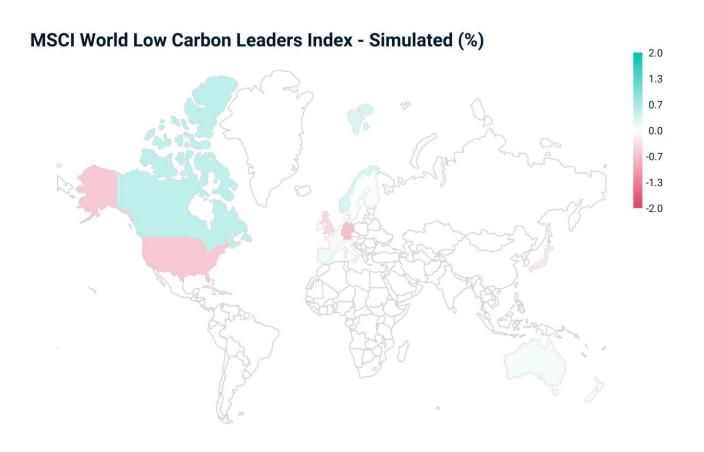


Active Country Exposures Geo Map





Active Country Exposures Geo Map





10

ESG Metrics

Integration, Values and Norms

	MSCI World Index	MSCI World Low Carbon Leaders Index - Current	MSCI World Low Carbon Leaders Index - Simulated
Integration			
ESG Score	6.8	6.8	6.9
ESG Leaders (AAA-AA) (%)	38.7	40.4	39.9
ESG Laggards (B-CCC) (%)	1.9	2.1	1.6
ESG Trend Positive (%)	36.3	37.3	36.2
ESG Trend Negative (%)	2.7	2.9	2.8
Index ESG Rating	AAA	AAA	AAA
Environmental Pillar Score	6.1	6.3	6.3
Social Pillar Score	5.2	5.2	5.2
Governance Pillar Score	5.7	5.7	5.7
Key Governance Metrics			
Board Independence (wtd Avg %)	80.0	79.5	79.7
Female Directors (wtd Avg %)	33.5	33.2	33.5
Deviation from One Share One Vote (%)	20.9	21.1	21.2
Values and Norms			
Tobacco Involvement (%)	1.0	1.2	1.2
Civilian Firearms Producers (%)	0.1	0.1	0.1
Ties to Controversial Weapons (%)	0.6	0.7	0.0
Global Compact Compliance Violation (%)	0.4	0.1	0.0
Red Flag Controversies (%)	0.5	0.1	0.0
Orange Flag Controversies (%)	34.3	33.0	31.3

As of August 31, 2022.



MSCI IndexMetrics®

ESG Metrics

Climate Change

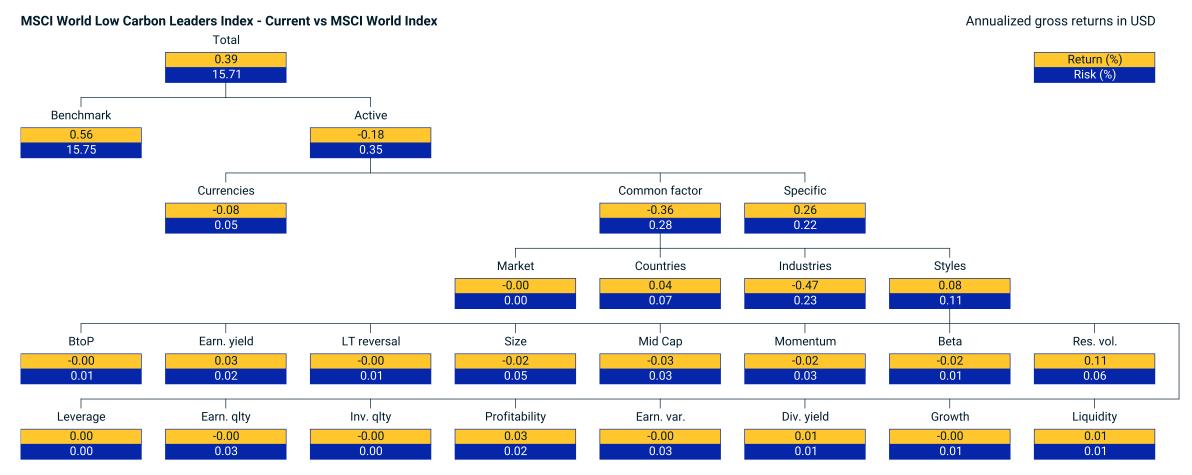
	MSCI World Index	MSCI World Low Carbon Leaders Index - Current	MSCI World Low Carbon Leaders Index - Simulated
Climate Footprint			
Carbon Intensity - Scope 1 + 2 + 3 (Wtd Avg t CO2e/\$M EVIC)	354	304	164
Carbon Intensity - Scope 1 + 2 (Wtd Avg t CO2e/\$M EVIC)	45	24	19
Carbon Emissions to Sales - Scope 1 + 2 + 3 (Wtd Avg t CO2e/\$M Sales)	1042	811	805
Carbon Emissions to Sales – Scope 1 + 2 (Wtd Avg t CO2e/\$M Sales)	151	70	95
ow Carbon Transition Risks			
ow Carbon Transition Score	6.1	6.2	6.2
Solutions (%)	8.7	8.8	9.2
Product & Operational Transition (%)	15.2	12.4	10.3
Asset Stranding (%)	0.5	0.0	0.6
Exposure to Asset Stranding Risks			
Potential Carbon Emissions (t CO2e/\$M Invested)	1339	538	515
ossil Fuel Reserves (%)	6.5	3.9	4.3
Thermal Coal Mining (%)	0.8	0.5	0.0
Thermal Coal-Based Power Generation (%)	2.8	1.5	1.5
Inconventional Oil & Gas Extraction (%)	4.2	2.7	2.8
exposure to Clean Technology Solutions			
Clean Technologies Solutions (> 20% Revenue)	9.8	9.7	9.7
Clean Technologies Solutions Revenue (wtd Avg %)	5.5	5.5	5.5
Green/fossil Fuel-Based Net Revenue Exposure	2.1	3.0	2.2
Other Climate Metrics			
Exposure to Carbon-Related Assets (%)	8.2	7.3	6.8
Climate-Related Controversies (%, Score ≤ 4)	0.8	0.7	0.1
Low Carbon Transition Management Score (% Top Quartile)	72.1	73.1	73.0

As of August 31, 2022.



MSCI IndexMetrics®

GEMLT Active Perf. Attribution



Period: Dec 31, 2020 to Aug 31, 2022.



GEMLT Active Perf. Attribution

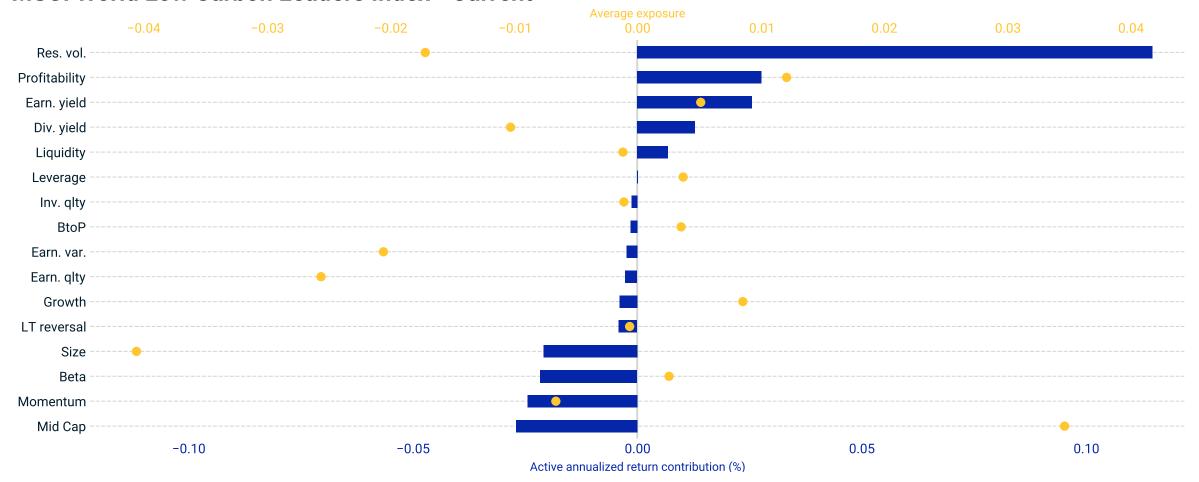


Period: Dec 31, 2020 to Aug 31, 2022.



GEMLT Active Perf. Attribution: Styles

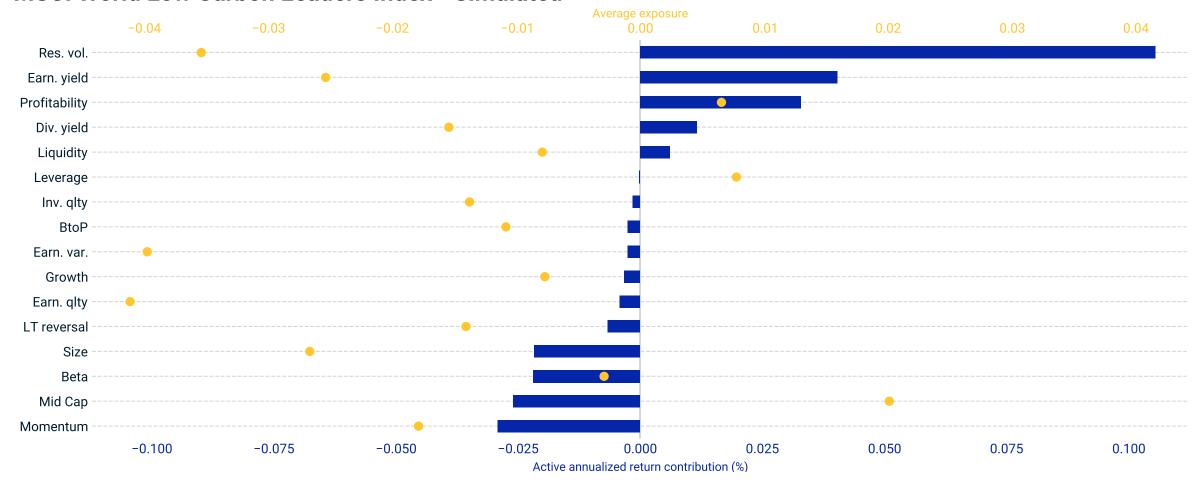
MSCI World Low Carbon Leaders Index - Current





GEMLT Active Perf. Attribution: Styles

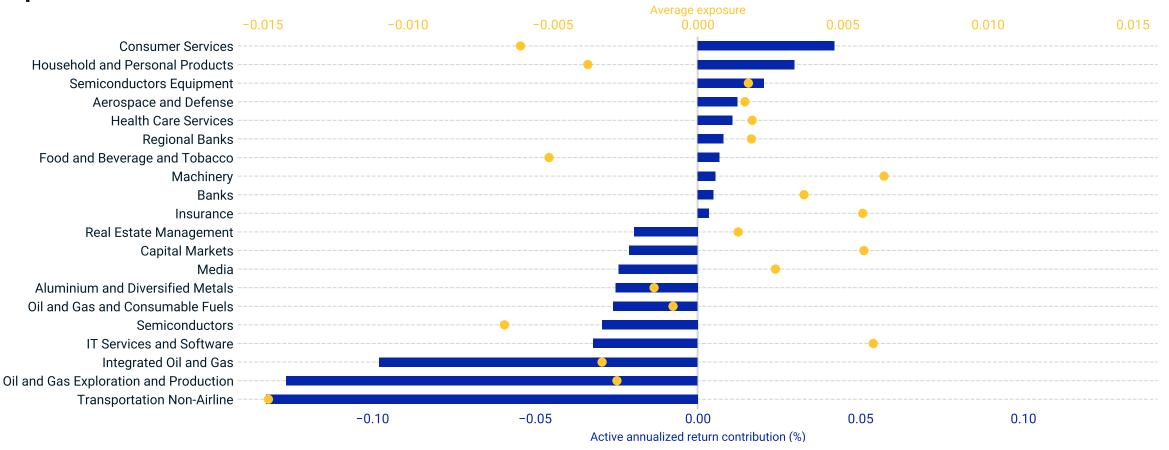
MSCI World Low Carbon Leaders Index - Simulated





GEMLT Active Perf. Attribution: Industries

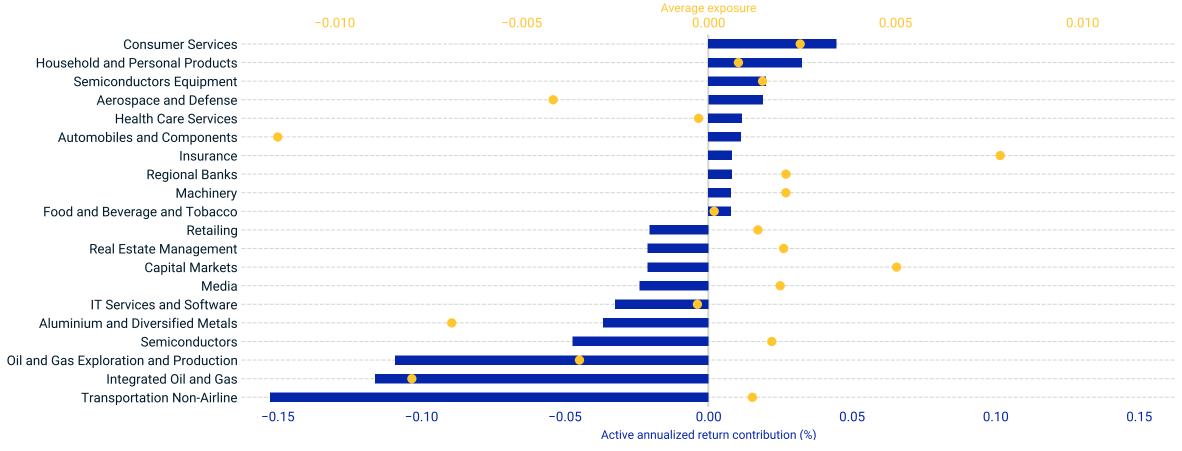
MSCI World Low Carbon Leaders Index - Current Top / Bottom 10





GEMLT Active Perf. Attribution: Industries

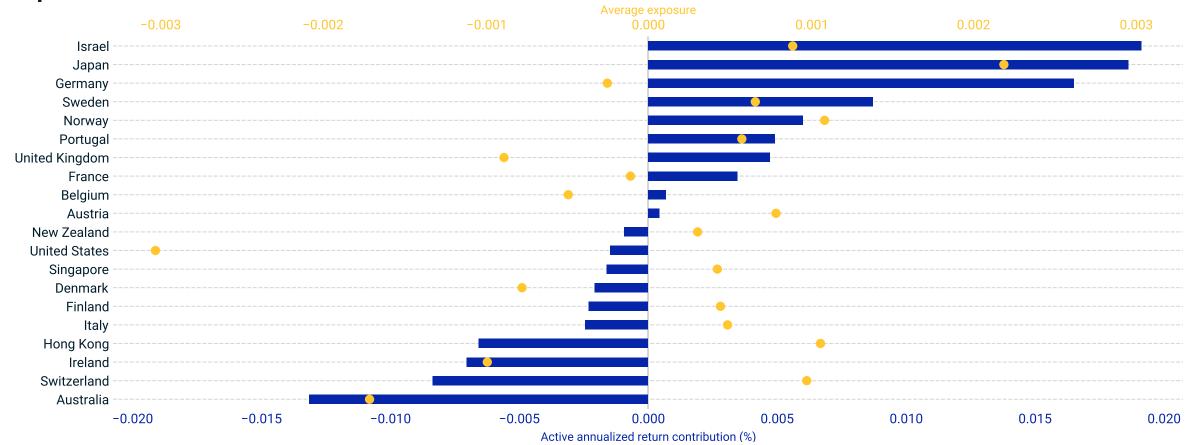
MSCI World Low Carbon Leaders Index - Simulated Top / Bottom 10





GEMLT Active Perf. Attribution: Countries

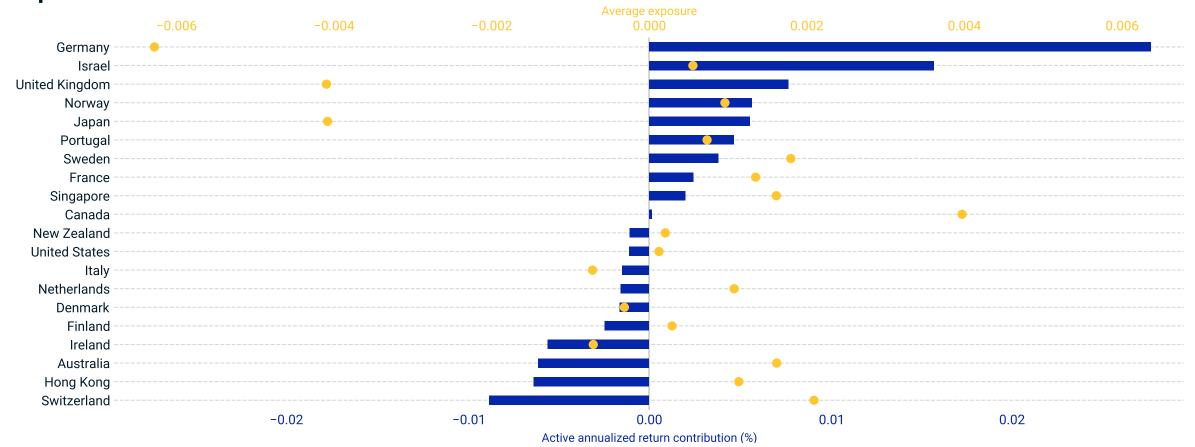
MSCI World Low Carbon Leaders Index - Current Top / Bottom 10





GEMLT Active Perf. Attribution: Countries

MSCI World Low Carbon Leaders Index - Simulated Top / Bottom 10







MSCI EM Low Carbon Leaders Index

Key Metrics

	MSCI EM (Emerging Markets) Index	MSCI EM Low Carbon Leaders Index - Current	MSCI EM Low Carbon Leaders Index - Simulated
Total Return* (%)	-11.9	-12.0	-12.0
Total Risk (%)	10.8	10.0	10.3
Return / Risk	-1.11	-1.20	-1.16
Sharpe Ratio	-1.13	-1.23	-1.19
Active Return (%)	0.0	-0.0	-0.0
Tracking Error (%)	0.0	1.5	1.1
Information Ratio		-0.03	-0.02
Historical Beta	1.00	0.92	0.95
Number of Constituents***	1402	978	955
Turnover** (%)	4.8	16.6	19.7
Price to Book***	1.9	1.9	1.9
Price to Earnings***	15.5	15.7	15.7
Dividend Yield*** (%)	2.3	2.3	2.3

Period: Dec 31, 2020 to Aug 31, 2022. * Gross returns annualized in USD ** Annualized one-way index turnover over index reviews *** Monthly averages

Performance (%)

	MSCI EM (Emerging Markets) Index	MSCI EM Low Carbon Leaders Index - Current	MSCI EM Low Carbon Leaders Index - Simulated
YTD	-17.2	-16.8	-16.6
1 Yr	-21.5	-21.3	-21.0
3 Yr			
5 Yr			
10 Yr			

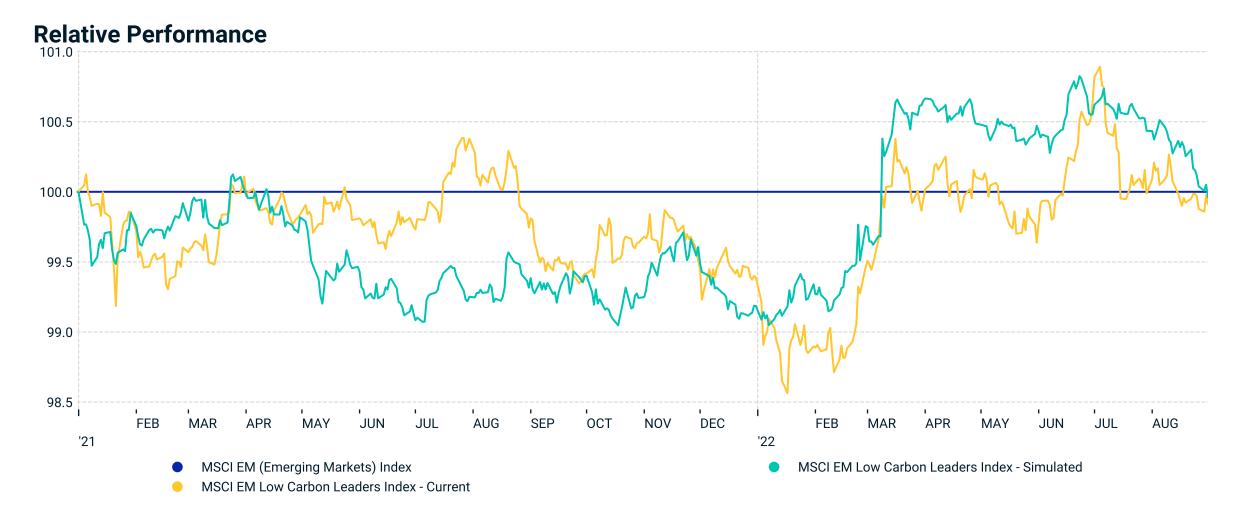
Gross returns for the period ending Aug 31, 2022. Returns are annualized for periods longer than a year



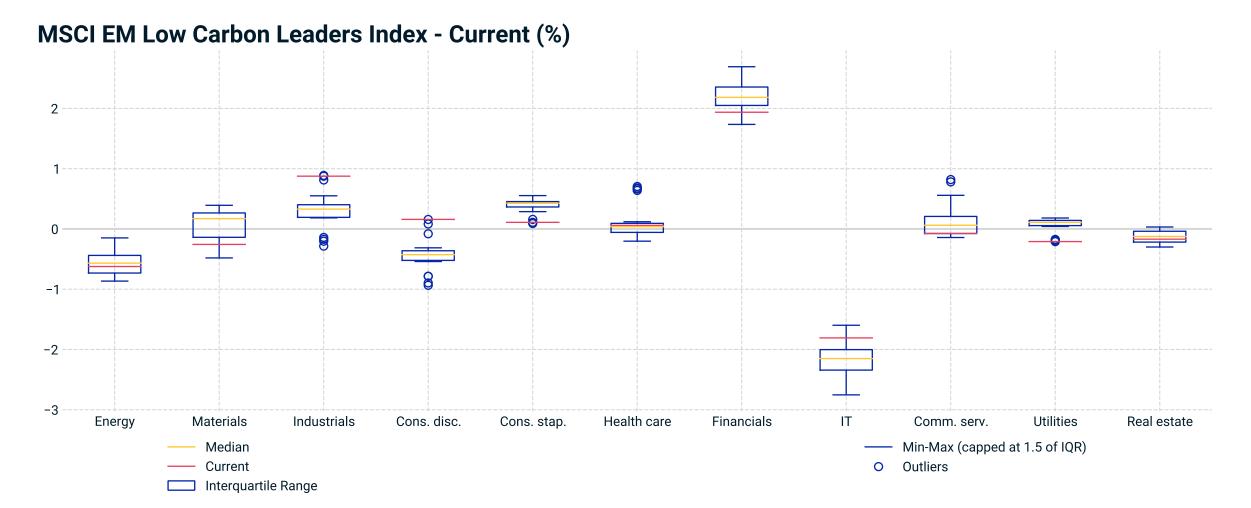
MSCI IndexMetrics®



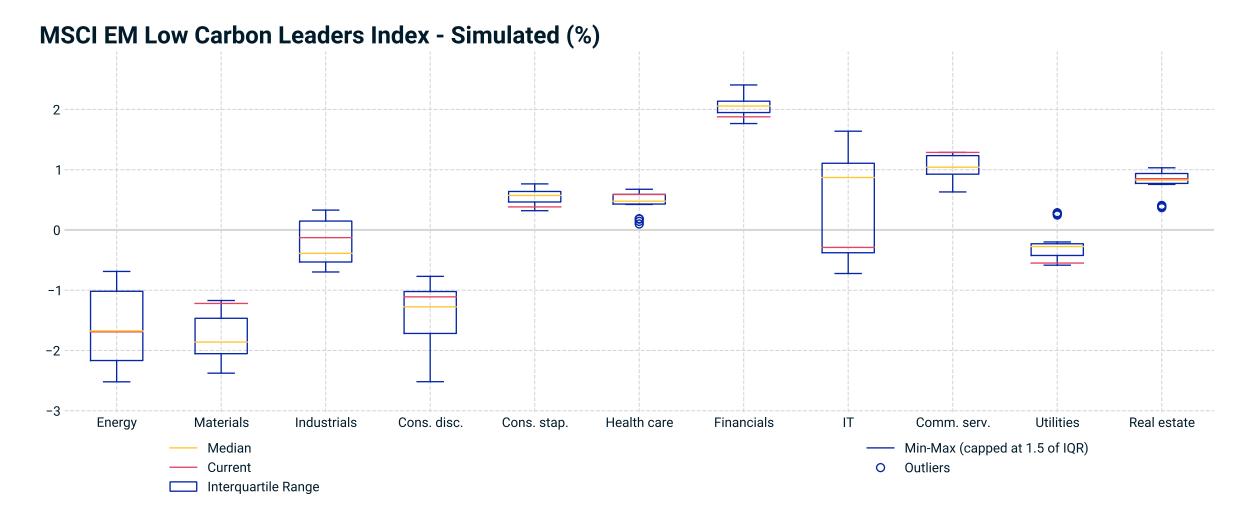














MSCI EM Low Carbon Leaders Index - Current (%)

moor am consumer content (v)					
	Min	Max	Average	Current	
Energy	-0.9	-0.1	-0.6	-0.6	
Materials	-0.5	0.4	0.1	-0.3	
Industrials	-0.3	0.9	0.3	0.9	
Cons. Disc.	-0.9	0.2	-0.4	0.2	
Cons. Stap.	0.1	0.6	0.4	0.1	
Health Care	-0.2	0.7	0.1	0.1	
Financials	1.7	2.7	2.2	1.9	
IT	-2.8	-1.6	-2.2	-1.8	
Comm. Serv.	-0.1	0.8	0.1	-0.1	
Utilities	-0.2	0.2	0.1	-0.2	
Real Estate	-0.3	0.0	-0.1	-0.2	

Period: Dec 31, 2020 to Aug 31, 2022, monthly data.

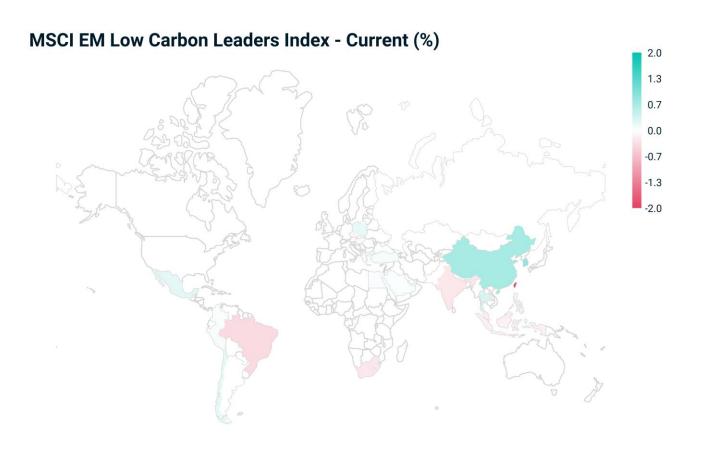
MSCI EM Low Carbon Leaders Index - Simulated (%)

	Min	Max	Average	Current
Energy	-2.5	-0.7	-1.6	-1.7
Materials	-2.4	-1.2	-1.8	-1.2
Industrials	-0.7	0.3	-0.2	-0.1
Cons. Disc.	-2.5	-0.8	-1.4	-1.1
Cons. Stap.	0.3	0.8	0.6	0.4
Health Care	0.1	0.7	0.5	0.6
Financials	1.8	2.4	2.1	1.9
IT	-0.7	1.6	0.5	-0.3
Comm. Serv.	0.6	1.3	1.0	1.3
Utilities	-0.6	0.3	-0.2	-0.5
Real Estate	0.4	1.0	0.8	0.9

Period: Dec 31, 2020 to Aug 31, 2022, monthly data.

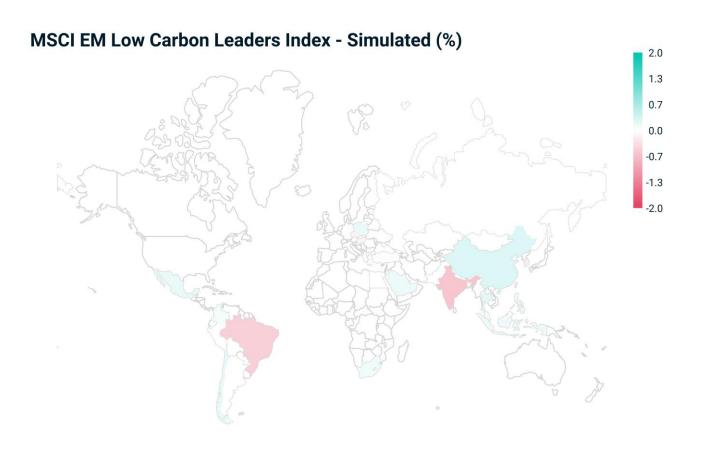


Active Country Exposures Geo Map





Active Country Exposures Geo Map





29

ESG Metrics

Integration, Values and Norms

	MSCI EM (Emerging Markets) Index	MSCI EM Low Carbon Leaders Index - Current	MSCI EM Low Carbon Leaders Index - Simulated
Integration			
ESG Score	5.3	5.0	5.4
ESG Leaders (AAA-AA) (%)	19.1	14.1	20.0
ESG Laggards (B-CCC) (%)	15.6	18.0	14.1
ESG Trend Positive (%)	29.2	30.2	29.9
ESG Trend Negative (%)	9.2	10.6	9.5
ndex ESG Rating	BBB	BBB	Α
Environmental Pillar Score	5.1	5.1	5.2
Social Pillar Score	5.0	4.9	5.1
Governance Pillar Score	4.3	4.2	4.4
Key Governance Metrics			
Board Independence (wtd Avg %)	61.1	60.1	60.8
Female Directors (wtd Avg %)	14.9	15.0	14.9
Deviation from One Share One Vote (%)	42.7	42.9	42.1
Values and Norms			
Tobacco Involvement (%)	0.4	0.3	0.6
Civilian Firearms Producers (%)	0.0	0.0	0.0
Ties to Controversial Weapons (%)	0.4	0.6	0.0
Global Compact Compliance Violation (%)	0.9	1.0	0.0
Red Flag Controversies (%)	0.9	1.0	0.0
Orange Flag Controversies (%)	12.2	12.2	9.2

As of August 31, 2022.



30

ESG Metrics

Climate Change

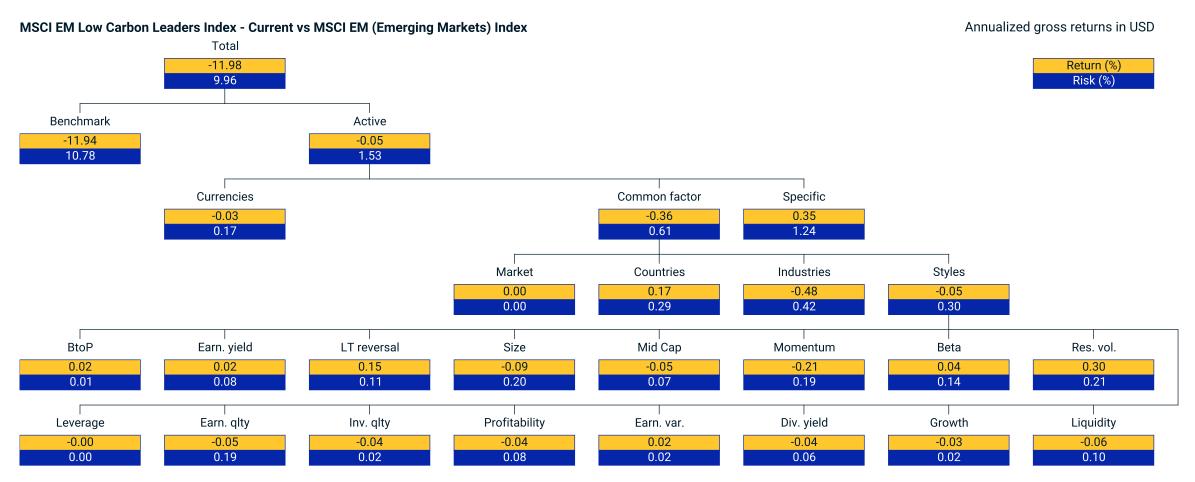
	MSCI EM (Emerging Markets) Index	MSCI EM Low Carbon Leaders Index - Current	MSCI EM Low Carbon Leaders Index - Simulated
Climate Footprint			
Carbon Intensity – Scope 1 + 2 + 3 (Wtd Avg t CO2e/\$M EVIC)	628	470	190
Carbon Intensity – Scope 1 + 2 (Wtd Avg t CO2e/\$M EVIC)	127	54	39
Carbon Emissions to Sales - Scope 1 + 2 + 3 (Wtd Avg t CO2e/\$M Sales)	1550	1095	821
Carbon Emissions to Sales – Scope 1 + 2 (Wtd Avg t CO2e/\$M Sales)	368	186	164
Low Carbon Transition Risks			
Low Carbon Transition Score	5.9	6.1	6.2
Solutions (%)	4.1	4.9	4.2
Product & Operational Transition (%)	20.3	17.5	15.2
Asset Stranding (%)	1.6	0.4	0.0
Exposure to Asset Stranding Risks			
Potential Carbon Emissions (t CO2e/\$M Invested)	4850	776	379
Fossil Fuel Reserves (%)	6.6	5.0	3.2
Thermal Coal Mining (%)	2.7	1.9	0.5
Thermal Coal-Based Power Generation (%)	2.7	1.6	1.7
Unconventional Oil & Gas Extraction (%)	2.2	2.4	2.1
Exposure to Clean Technology Solutions			
Clean Technologies Solutions (> 20% Revenue)	5.4	6.0	5.4
Clean Technologies Solutions Revenue (wtd Avg %)	4.7	4.7	4.6
Green/fossil Fuel-Based Net Revenue Exposure	2.6	5.5	6.6
Other Climate Metrics			
Exposure to Carbon-Related Assets (%)	7.3	6.8	5.3
Climate-Related Controversies (%, Score ≤ 4)	0.0	0.0	0.0
Low Carbon Transition Management Score (% Top Quartile)	27.5	30.4	27.7

As of August 31, 2022.



MSCI IndexMetrics®

GEMLT Active Perf. Attribution



Period: Dec 31, 2020 to Aug 31, 2022.



GEMLT Active Perf. Attribution

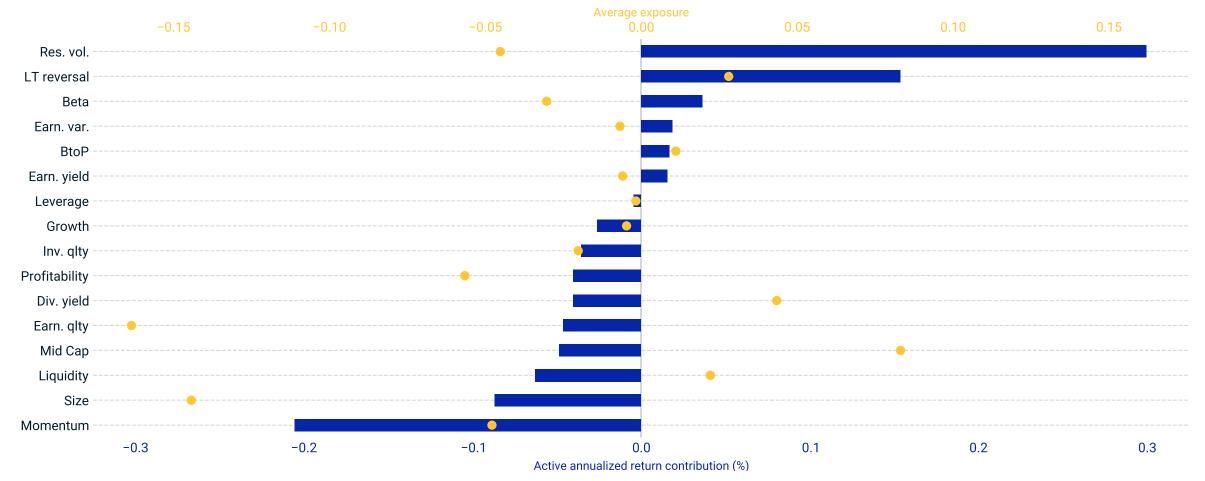


Period: Dec 31, 2020 to Aug 31, 2022.



GEMLT Active Perf. Attribution: Styles

MSCI EM Low Carbon Leaders Index - Current

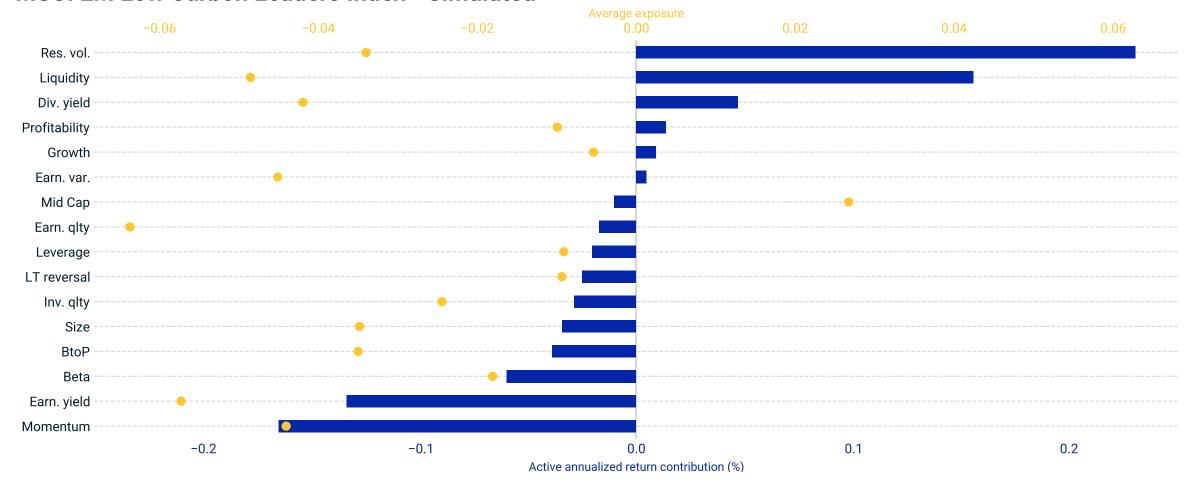




MSCI IndexMetrics®

GEMLT Active Perf. Attribution: Styles

MSCI EM Low Carbon Leaders Index - Simulated



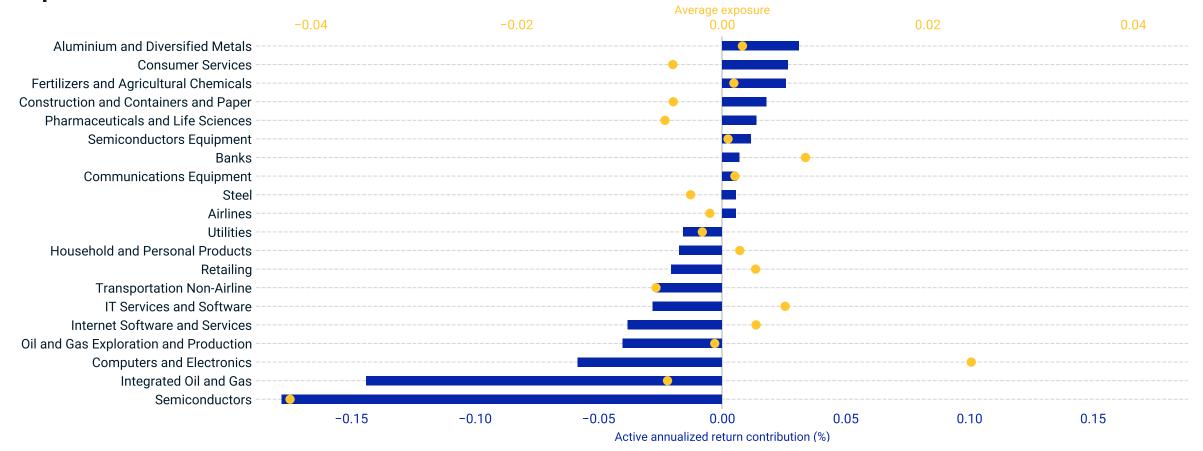


31, 2020 to Aug 31, 2022.

MSCI IndexMetrics®

GEMLT Active Perf. Attribution: Industries

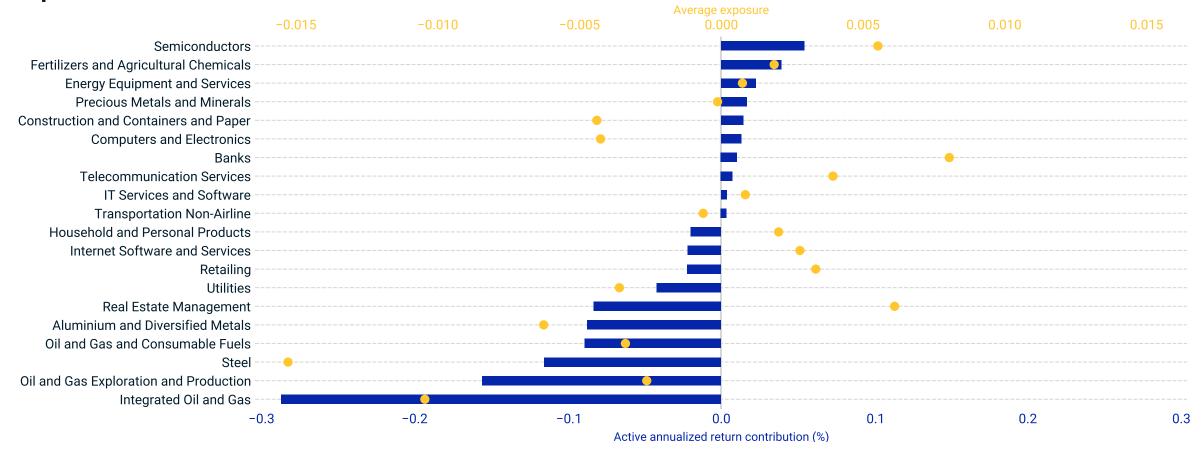
MSCI EM Low Carbon Leaders Index - Current Top / Bottom 10





GEMLT Active Perf. Attribution: Industries

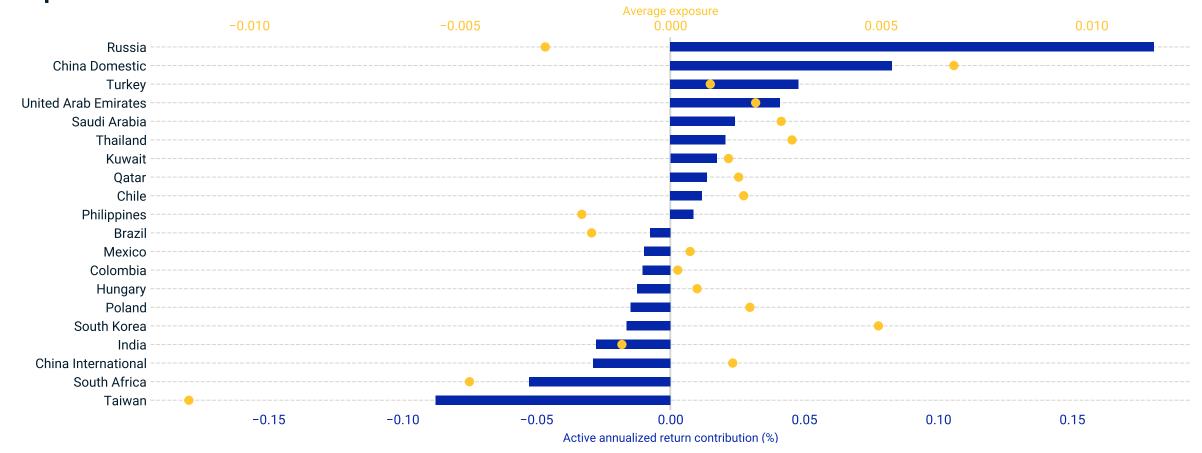
MSCI EM Low Carbon Leaders Index - Simulated Top / Bottom 10





GEMLT Active Perf. Attribution: Countries

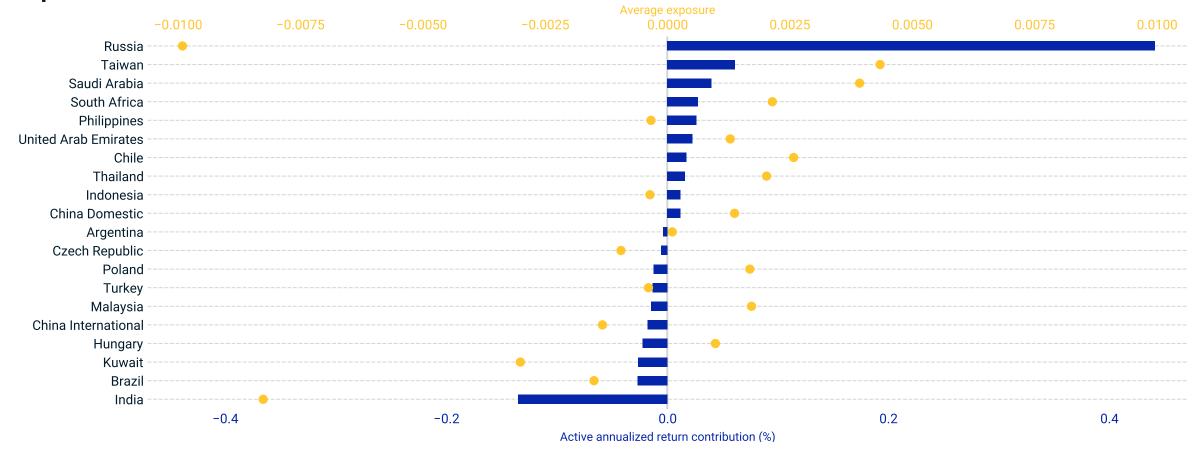
MSCI EM Low Carbon Leaders Index - Current Top / Bottom 10





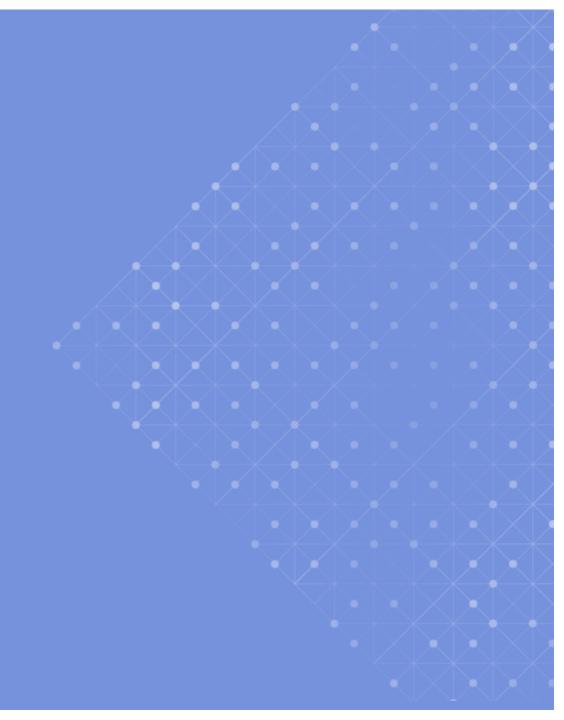
GEMLT Active Perf. Attribution: Countries

MSCI EM Low Carbon Leaders Index - Simulated Top / Bottom 10









Risk and Return Metrics

	Definition		
Total Return (%)	Annualized index return		
Total Risk (%)	Annualized index risk (based on monthly returns)		
Return / Risk	Ratio of annualized return and annualized risk		
Sharpe Ratio	The Sharpe ratio is computed as the ratio of index excess returns and annualized total risk where excess return is defined as the difference between the annualized total index return and the risk free rate corresponding to the currency of analysis		
Active Return (%)	Difference of the annualized index return and the annualized benchmark return		
Tracking Error (%)	Annualized standard deviation of active returns (based on monthly data)		
Information Ratio	Ratio of index active return and tracking error (based on monthly data)		
Historical Beta	Beta is a measure of the level of co-movement between an index and its benchmark. It is calculated as the correlation between index and benchmark returns multiplied by the ratio of total risk of the index and its benchmark (based on monthly data)		
Average Number of Constituents	Average number of constituents (based on monthly data)		
Turnover (%)	Annualized Average one-way index turnover over rebalancing dates		
Price to Book	Price to book harmonic average (based on monthly data)		
Price to Earnings	Price to earnings harmonic average (based on monthly data)		
Dividend Yield (%)	Dividend yield (%) average (based on monthly data)		
Downside Deviation (%)	Annualized lower semi-deviation of index total returns (based on monthly data)		
Sortino Ratio	Ratio of the Average excess return (above a specified Acceptable Return, MAR, assumed to be 0%) and downside deviation		
VaR @ 95% (%)	5th percentile of historical index returns (based on monthly data)		
VaR @ 99% (%)	1st percentile of historical index returns (based on monthly data)		
Expected Shortfall (CVaR) @ 95% (%)	Average of returns below Var @ 95% (based on monthly data)		
Expected Shortfall (CVaR) @ 99% (%)	Average of returns below Var @ 99% (based on monthly data)		
Maximum Drawdown (%)	Maximum index drawdown (based on daily data)		
Maximum Drawdown Period (months)	Maximum index drawdown period (based on daily data)		

	Definition			
Skewness	Skewness of index returns (based on monthly data), measures the degree of asymmetry of the return distribution.			
Kurtosis	Kurtosis of index returns (based on monthly data), measures the degree of peakedness of the return distribution.			
Maximum Active Returns Drawdown (%)	Maximum active return drawdown (based on daily data)			
Maximum Active Returns Drawdown Period (months)	Maximum active return drawdown period (based on daily data)			
Active Risk Contribution (%)	Asset active weight multiplied by its marginal contribution to active risk and divided by the total index active risk			
Cross-Sectional Volatility Contributions (%)	Contributions to cross-sectional volatility (based on monthly data, 12-month moving average)			
Thematic Exposure (%)	Weighted average of exposures to thematic relevance scores. Thematic relevance scores are expressed as a percentage to gauge a company's economic linkage to a given theme.			
Up/down Markets - Average Monthly Return (%)	Average return for the index when benchmark return is positive/negative (based on monthly data)			
Up/down Markets - Average Monthly Active Return (%)	Average active return for the index when benchmark return is positive/negative (based on monthly data)			
Up/down Markets - Beta	Historical beta computed for the index and benchmark returns when benchmark return is positive/negative (based on monthly data)			
Up/down Markets - Correlation	Correlation between the index and benchmark returns when benchmark return is positive/negative (based on monthly data)			
Up/down Markets - Capture Ratio (%)	Ratio of average index and benchmark returns when benchmark return is positive/negative (based on monthly data)			
Up/down Markets - Beta Timing	Ratio of up and down market betas (based on monthly data)			



MSCI IndexMetrics®

ESG: Integration, Values and Norms

	Definition			
ESG Score	Weighted average ESG Score. The ESG Score indicates how well the index companies manage their most material ESG risks relative to sector peers. Scores range from 10 (best) to 0 (worst).			
ESG Leaders (AAA-AA) (%)	Exposure to companies with an ESG rating of AAA or AA (best in class relative to peers).			
ESG Laggards (B-CCC) (%)	Exposure to companies with an ESG rating of B or CCC (worst in class relative to peers).			
ESG Trend Positive (%)	Exposure to companies with a rating upgrade in the year prior to the most recent ESG rating.			
ESG Trend Negative (%)	Exposure to companies with a rating downgrade in the year prior to the most recent ESG rating.			
Index ESG Rating	The letter rating equivalent of the calculation below: ESG Score * (1 + ESG Trend Positive - ESG Trend Negative - ESG Laggards)			
Environmental Pillar Score	The Environmental Pillar Score indicates how well the index companies manage their most material environment risks. Scores range from 10 (best) to 0 (worst).			
Social Pillar Score	The Social Pillar Score indicates how well the index companies manage their most material social risks. Scores range from 10 (best) to 0 (worst).			
Governance Pillar Score	The Governance Pillar Score indicates how well the index companies manage their most material governance risks. Scores range from 10 (best) to 0 (worst).			
Board Independence (wtd Avg %)	Weighted average % of independent board members			
Female Directors (wtd Avg %)	Weighted average % of female board members.			

	Definition		
Deviation from One Share One Vote (%)	Exposure to companies flagged for any of multiple equity classes with differential voting rights, golden shares or limitations on voting rights.		
Tobacco Involvement (%)	Exposure to companies flagged for involvement in tobacco. Specifically, tobacco producers and companies that derive 5% or more aggregate revenue from the manufacture, distribution, retailing, licensing, and supply of tobacco products, as defined by the methodology of the MSCI Global ex Tobacco Involvement Indexes.		
Civilian Firearms Producers (%)	Exposure to civilian firearms producers.		
Ties to Controversial Weapons (%)	Exposure to companies with ties to controversial weapons . MSCI ESG Research Controversial Weapons definition covers cluster munitions, landmines, depleted uranium weapons, biological/chemical weapons, blinding lasers, non-detectable fragments and incendiary weapons, as defined by the methodology of the MSCI Global Ex-Controversial Weapons Indexes.		
Global Compact Compliance Violation (%)	Exposure to companies in violation of the UN Global Compact principles.		
Red Flag Controversies (%)	Exposure to companies with environment-, governance-, customer-, human rights-, or labor rights-related controversies that are assessed as "Very Severe".		
Orange Flag Controversies (%)	Exposure to companies with ongoing environment-, governance-, customer-, human rights-, or labor rights-related controversies that are assessed as "Severe" and indicate structural problems at the company.		



MSCI IndexMetrics® 42

ESG: Climate Change

	Definition		
Carbon Intensity (Wtd Avg t CO2e/\$M EVIC)	Carbon emissions normalized by Enterprise Value Including Cash (EVIC) for the index.		
Carbon Emissions to Sales (Wtd Avg t CO2e/\$M Sales)	Efficiency of the index in terms of carbon emissions divided by total sales.		
Low Carbon Transition Score	Weighted average low Carbon Transition (LCT) score measuring companies' level of alignment to the LCT. Companies with higher LCT so are more aligned with the LCT compared to the companies with lower scores. Scores range from 0 to 10.		
Solutions (%)	Exposure to companies involved in low/zero carbon solutions that would have negative total carbon intensity and are likely to benefit in a low carbon scenario.		
Product & Operational Transition (%)	Exposure to companies with moderately to highly carbon intensive products or operations. Such companies' products or operations could go under transition in a low carbon scenario.		
Asset Stranding (%)	Exposure to companies with very high risk exposure to transition risk and may face asset stranding risk in the short to medium term.		
Potential Carbon Emissions (t CO2e/\$M Invested)	Carbon potential emissions normalized for the index.		
Fossil Fuel Reserves (%)	Exposure to companies that own proved & probable coal and/or oil and natural gas reserves used for energy purposes. The definition is based on the MSCI Global Ex-Fossil Fuel Indexes Methodology.		
Thermal Coal Mining (%)	Exposure to companies that derive some of their revenue from thermal coal mining.		
Thermal Coal-Based Power Generation (%)	Exposure to companies that derive some of their revenue from thermal coal-based power generation.		
Unconventional Oil & Gas Extraction (%)	Exposure to companies that derive revenues from unconventional oil and gas including oil sands, oil shale, shale gas, shale oil, coal seam gas, and coal bed methane. It excludes all types of conventional oil and gas production.		

	Definition			
Clean Technologies Solutions (> 20% Revenue)	Exposure to companies that derive 20% or more revenue from any of the five clean tech themes: alternative energy, energy efficiency, green building, pollution prevention, or sustainable water.			
Clean Technologies Solutions Revenue (wtd Avg %)	Weighted average % revenue derived from any of the five clean tech themes including alternative energy, energy efficiency, greer building, pollution prevention, or sustainable water.			
Green/fossil Fuel-Based Net Revenue Exposure	The ratio of the weighted average clean technologies solutions revenue (%) or "Green Revenue" to the weighted average fossil fuel revenue (%) defined as the weighted average % revenue derived from any of the fossil fuel-related activities including thermal coal mining, oil and gas extraction, thermal coal-based power generation, and oil and gas-based power generation.			
Exposure to Carbon-Related Assets (%)	Exposure to companies that belong to the following GICS industries: Energy Equipment & Services (101010), Oil, Gas & Consumable Fuels (101020), Electric Utilities (551010), Gas Utilities (551020), Multi-Utilities (551030).			
Climate-Related Controversies (%, Score ≤ 4)	Exposure to companies with climate change and energy-related controversies that are flagged as Red, Orange and Yellow, covering scores 0 to 4. Factors affecting this evaluation include a history of involvement in GHG-related legal cases, widespread or egregious impacts due to corporate GHG emissions, resistance timproved practices, and criticism by NGOs and/or other third-party observers.			
Low Carbon Transition Management Score (% Top Quartile)	Exposure to companies that belong to the top quartile in terms of their Low Carbon Transition Management Score relative to companies in the relevant GICS Sub-Industry that are constituent of the MSCI ACWI IMI.			



43

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.



Contact Us

AMERICA	IS	EUROPE	, MIDDLE EAST & AFRICA	ASIA PA	ACIFIC
Americas	+1 888 588 4567 *	Cape Tow	rn + 27 21 673 0100	China Nor	rth 10800 852 1032 *
Atlanta	+ 1 404 551 3212	Frankfurt	+ 49 69 133 859 00	China Sou	uth 10800 152 1032 *
Boston	+ 1 617 532 0920	Geneva	+ 41 22 817 9777	Hong Kon	+ 852 2844 9333
Chicago	+ 1 312 675 0545	London	+ 44 20 7618 2222	Mumbai	+ 91 22 6784 9160
Monterrey	+ 52 81 1253 4020	Milan	+ 39 02 5849 0415	Seoul	00798 8521 3392 *
New York	+ 1 212 804 3901	Paris	0800 91 59 17 *	Singapore	e 800 852 3749 *
San Francis	sco + 1 415 836 8800			Sydney	+ 61 2 9033 9333
São Paulo	+ 55 11 3706 1360			Taipei	008 0112 7513 *
Toronto	+ 1 416 628 1007			Thailand	0018 0015 6207 7181 *
	e <u>e@msci.com</u> ervice@msci.com			Tokyo	+81 3 5290 1555



Notice and Disclaimer

This document and all of the information contained in it, including without limitation all text, data, graphs, charts (collectively, the "Information") is the property of MSCI Inc. or its subsidiaries (collectively, "MSCI"), or MSCI's licensors, direct or indirect suppliers or any third party involved in making or compiling any Information (collectively, with MSCI, the "Information Providers") and is provided for information may not be modified, reverse-engineered, reproduced or redisseminated in whole or in part without prior written permission from MSCI. All rights in the Information are reserved by MSCI and/or its Information Providers.

The Information may not be used to create derivative works or to verify or correct other data or information. For example (but without limitation), the Information may not be used to create indexes, databases, risk models, analytics, software, or in connection with the issuing, offering, sponsoring, managing or marketing of any securities, portfolios, financial products or other investment vehicles utilizing or based on, linked to, tracking or otherwise derived from the Information or any other MSCI data, information, products or services.

The user of the Information assumes the entire risk of any use it may make or permit to be made of the Information. NONE OF THE INFORMATION PROVIDERS MAKES ANY EXPRESS OR IMPLIED WARRANTIES OR REPRESENTATIONS WITH RESPECT TO THE INFORMATION (OR THE RESULTS TO BE OBTAINED BY THE USE THEREOF), AND TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, EACH INFORMATION PROVIDER EXPRESSLY DISCLAIMS ALL IMPLIED WARRANTIES (INCLUDING, WITHOUT LIMITATION, ANY IMPLIED WARRANTIES OF ORIGINALITY, ACCURACY, TIMELINESS, NON-INFRINGEMENT, COMPLETENESS, MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE) WITH RESPECT TO ANY OF THE INFORMATION.

Without limiting any of the foregoing and to the maximum extent permitted by applicable law, in no event shall any Information Provider have any liability regarding any of the Information for any direct, special, punitive, consequential (including lost profits) or any other damages even if notified of the possibility of such damages. The foregoing shall not exclude or limit any liability that may not by applicable law be excluded or limited, including without limitation (as applicable), any liability for death or personal injury to the extent that such injury results from the negligence or willful default of itself, its servants, agents or sub-contractors.

Information containing any historical information, data or analysis should not be taken as an indication or guarantee of any future performance, analysis, forecast or prediction. Past performance does not guarantee future results.

The Information should not be relied on and is not a substitute for the skill, judgment and experience of the user, its management, employees, advisors and/or clients when making investment and other business decisions. All Information is impersonal and not tailored to the needs of any person, entity or group of persons.

None of the Information constitutes an offer to sell (or a solicitation of an offer to buy), any security, financial product or other investment vehicle or any trading strategy.

It is not possible to invest directly in an index. Exposure to an asset class or trading strategy or other category represented by an index is only available through third party investable instruments (if any) based on that index. MSCI does not issue, sponsor, endorse, market, offer, review or otherwise express any opinion regarding any fund, ETF, derivative or other security, investment, financial product or trading strategy that is based on, linked to or seeks to provide an investment return related to the performance of any MSCI index (collectively, "Index Linked Investments"). MSCI makes no assurance that any Index Linked Investments will accurately track index performance or provide positive investment returns. MSCI Inc. is not an investment adviser or fiduciary and MSCI makes no representation regarding the advisability of investing in any Index Linked Investments.

Index returns do not represent the results of actual trading of investible assets/securities. MSCI maintains and calculates indexes, but does not manage actual assets. Index returns do not reflect payment of any sales charges or fees an investor may pay to purchase the securities underlying the index or Index Linked Investments. The imposition of these fees and charges would cause the performance of an Index Linked Investment to be different than the MSCI index performance.

The Information may contain back tested data. Back-tested performance is not actual performance, but is hypothetical. There are frequently material differences between back tested performance results and actual results subsequently achieved by any investment strategy.

Constituents of MSCI equity indexes are listed companies, which are included from the indexes according to the application of the relevant index methodologies. Accordingly, constituents in MSCI equity indexes may include MSCI Inc., clients of MSCI or suppliers to MSCI. Inclusion of a security within an MSCI index is not a recommendation by MSCI to buy, sell, or hold such security, nor is it considered to be investment advice.

Data and information produced by various affiliates of MSCI Inc., including MSCI ESG Research LLC and Barra LLC, may be used in calculating certain MSCI indexes. More information can be found in the relevant index methodologies on www.msci.com.

MSCI receives compensation in connection with licensing its indexes to third parties. MSCI Inc.'s revenue includes fees based on assets in Index Linked Investments. Information can be found in MSCI Inc.'s company filings on the Investor Relations section of www.msci.com.

MSCI ESG Research LLC is a Registered Investment Adviser under the Investment Advisers Act of 1940 and a subsidiary of MSCI Inc. Except with respect to any applicable products or services from MSCI ESG Research, neither MSCI nor any of its products or services recommends, endorses, approves or otherwise expresses any opinion regarding any issuer, securities, financial products or instruments or trading strategies and MSCI's products or services are not intended to constitute investment advice or a recommendation to make (or refrain from making) any kind of investment decision and may not be relied on as such. Issuers mentioned or included in any MSCI ESG Research materials may include MSCI Inc., clients of MSCI, and may also purchase research or other products or services from MSCI ESG Research. MSCI ESG Research materials, including materials utilized in any MSCI ESG Indexes or other products, have not been submitted to, nor received approval from, the United States Securities and Exchange Commission or any other regulatory body.

Any use of or access to products, services or information of MSCI or its subsidiaries in the United States and other jurisdictions. The Global Industry Classification Standard (GICS) was developed by and is the exclusive property of MSCI and S&P Global Market Intelligence. "Global Industry Classification Standard (GICS)" is a service mark of MSCI and S&P Global Market Intelligence.

Privacy notice: For information about how MSCI collects and uses personal data, please refer to our Privacy Notice at https://www.msci.com/privacy-pledge.

