

Consultation on potential enhancements to the MSCI ESG Indexes

February 2020

This consultation may or may not lead to the implementation of any or all of the proposed changes in the highlighted or any other MSCI indexes. Consultation feedback will remain confidential. MSCI may publicly disclose feedback if specifically requested by specific market participants. In that case, the relevant feedback would be published together with the final results of the consultation.



Proposed Enhancements to MSCI ESG Indexes

MSCI is proposing a series of methodology changes aiming to enhance the climate risk profile and bring greater consistency to its ESG Indexes.

No.	Proposed Enhancements	Impacted Methodologies
1	Introduce a screen for companies involved in Thermal Coal and/or Unconventional O&G businesses with an aim to improve the climate risk profile of the ESG Indexes.	 MSCI SRI MSCI ESG Leaders MSCI ESG Focus MSCI ESG Universal
2	Align Controversial Business Involvement Criteria across the MSCI ESG Leaders Indexes.	1. MSCI ESG Leaders
3	Cap maximum issuer weight in SRI and ESG Leaders Indexes with an aim to bring greater consistency in security weighting.	 MSCI SRI MSCI ESG Leaders

MSCI invites feedback from market participants on or before February 28,2020, and will announce the results of the consultation on or before March 31,2020.



The Climate Profile of ESG Indexes

This presentation may contain analysis of historical data, which may include hypothetical, backtested or simulated performance results. There are frequently material differences between backtested or simulated performance results and actual results subsequently achieved by any investment strategy. The analysis and observations in this presentation are limited solely to the period of the relevant historical data, backtest or simulation. Past performance — whether actual, backtested or simulated — is no indication or guarantee of future performance. None of the information or analysis herein is intended to constitute investment advice or a recommendation to make (or refrain from making) any kind of investment decision or asset allocation and should not be relied on as such.



What we know: climate change risk is real

FACT

IMPACT ON THE PLANET

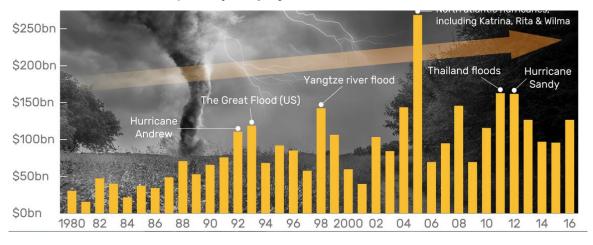
- Sea level is set to continue to rise at a faster rate than over the last 40 years¹
- Polar ice sheets have been melting & glaciers have receded in most parts of the world.
- The past five years are, collectively, the warmest years in the modern record ²

FACT

IMPACT ON THE ECONOMY

- Since 1950, economic damages due to climate-related disasters have increased by more than 10 times³
- In a high warming scenario, global economic losses due to physical damages are projected to be more than 7% of GDP by 2100⁴

Increased frequency of physical risk events:



Source: http://edu.bankofengland.co.uk/knowledgebank/climate-change-what-are-the-risks-to-financial-stability/

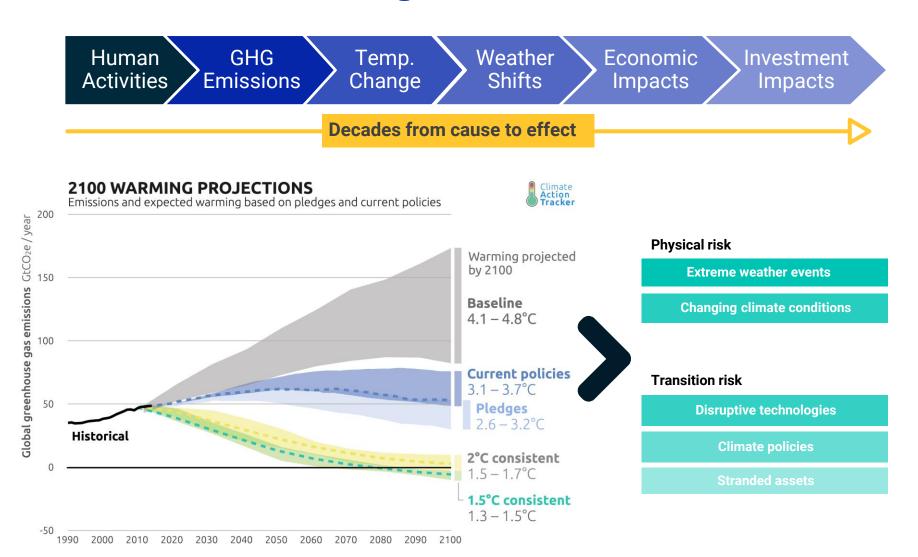


 $^{2. \ \} NASA \ and \ the \ National \ Oceanic \ and \ Atmospheric \ Administration \ (NOAA).$

³ http://www.wri.org/blog/2017/07/droughts-and-blackouts-how-water-shortages-cost-india-enough-energy-power-sri-lanka; http://www.wri.org/blog/2017/06/no-water-no-power;

⁴ Nordhaus and Boyer 2000, Warming the World: Economic Models of Global Warming

From climate change to climate risk





Climate transition – potential financial impact for institutional investors

COMMODITIES

Falling Chinese Coal Consumption and Output Undermine Global Market

http://www.wsj.com/articles/chinas-coal-consumption-and-output-fell-last-year-1424956878

The sun shines on the solar industry's quest for 'grid parity'

http://www.ft.com/intl/cms/s/0/1446e2ac-bffa-11dc-8052 0000779fd2ac.html#axzz3VV3Hko00

RWE Writes Down \$4.5 Billion ^las Power-Plant Earnings ^l Drop

http://www.bloomberg.com/news/articles/2014-01-28/rwe-writes-down-4-5-billion-as-power-plantearnings-drop

GDF Suez writes off €14.9bn as value of power plants falls

http://www.ft.com/intl/cms/s/0/6005636c-9f8c-11e3-94f3-00144feab7de.html

POSSIBLE RISKS



1. POTENTIAL SEVERITY OF FINANCIAL IMPACT



2. FINANCIAL IMPACT MAY **OCCUR SOONER THAN EXPECTED**



3. MANY INDUSTRIES MAY BE AFFECTED INDIRECTLY



4. SOME FINANCIAL **IMPACTS ARE ALREADY VISIBLE**



25 Trillion USD of assets at risk1

Since 2010, coal demand is continuously declining²

The entire fossil fuel value chain is exposed to high risks³

GE cut 12,000 jobs due to decreasing demand for fossil fuel power plants4

- 1. Carbon Tracker 2020 vision: why you should see peak fossil fuels coming.
- 2. https://www.iea.org/newsroom/energysnapshots/world-total-coal-production-1971-2016.html
- 3. MSCI ESG Research
- 4. General Electric: 10K, 2018



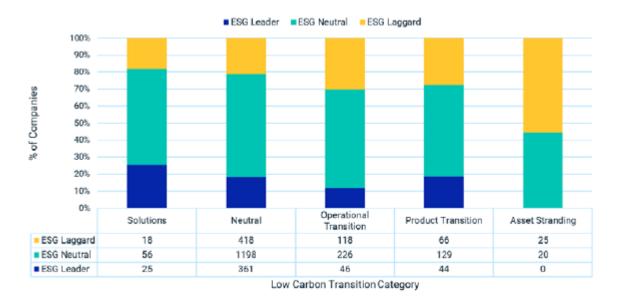
Incorporating Climate Risk in ESG Indexes

- Carbon footprint of ESG Indexes may be significantly higher than their market capweighted parent indexes.
- This level of carbon footprint is not aligned with some recent ESG and Climate benchmark labeling requirements.
- Climate Risk consideration is increasingly becoming a regulatory requirement and may be a significant short-term risk for some investors.
- Climate Risk may be combined with investor's ESG integration strategies.
- Some institutional ESG investors are seeking greater climate awareness to support their use of ESG Indexes.



► MSCI ESG Ratings* and Climate Risk

- Low Carbon Transition Category groups companies in five categories that highlight the predominant risks and opportunities they are most likely to face in the transition
- ESG Leader Stocks (AAA and AA Rated) are present in 4 out of 5 categories
- ESG indexes focusing on overweight exposure to ESG Leader stocks may also be potentially over exposed to climate-related risks through transition companies.
- ESG indexes may also be under exposed to Solutions companies which are ESG Neutral or ESG Laggards.



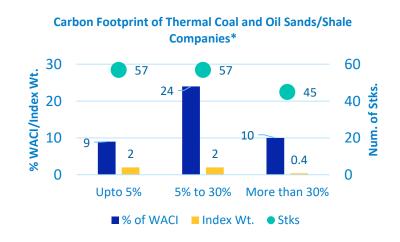




Carbon Footprint and Fossil Fuel Mix

- Thermal Coal and Oil Sands/Oil Shale produce more carbon dioxide per unit of energy than other fossil fuels.
- Extraction and refining of Thermal Coal and Oil Sands are more carbon intensive than other fossil fuels.
- Exclusion of companies involved in Thermal Coal and Oil Sands business from an index lowered the index's footprints in simulated back-tests.
- Companies involved in extraction of thermal coal and oil sands/shale and also power generation from thermal coal are exposed to significant climate risk.

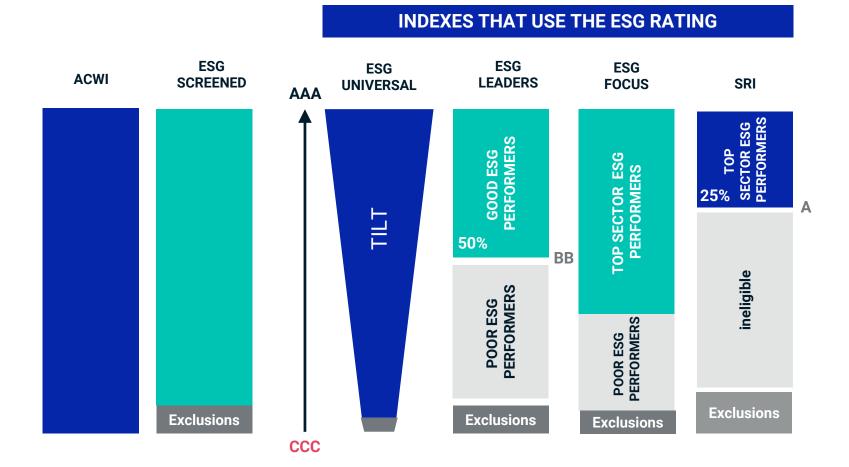
Fuel	CO ₂ Content¹ (kg per GJ)
Oil Sand and oil shale	106.7
Thermal Coal	96.4
Metallurgical Coal	94.6
Crude Oil	73.3
Natural Gas	56.1





^{1 -} https://www.msci.com/www/research-paper/fossil-fuel-divestment-a/0471389508

MSCI ESG INDEXES

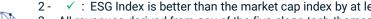




Climate Profile of Select MSCI ESG Indexes

The climate profile¹ of select MSCI ESG Indexes are assessed on the following metrics.

	Climate Metrics	World SRI	World Leaders	World ESG Focus	World ESG Universal
Carbon Footprint – Lower than the	Carbon Emission Intensity	√ ²	×	✓	×
Parent	Potential Emission Intensity	✓	✓	×	✓
Risk of Stranded assets exposure –	Index Weight in Companies with Fossil Fuel (FF) Reserves	*	✓	*	✓
Lower weight than the Parent	More than 5% revenue from Thermal Coal and Unconventional O&G	✓	✓	✓	√
Climate Solutions – Higher than the	Weighted Average Green Revenue ³	✓	✓	✓	✓
Parent	Index Weight in companies with Green Revenue > 20%	✓	✓	✓	✓
Transition Risk – Lower than the parent	Index Weight in Transition Companies	×	×	×	×



^{1 -} Index constituents as of 29th May 2019, climate metric data as of 30th April 2019. Calculation details can be seen in appendix.

^{3 -} All revenues derived from any of the five clean tech themes including alternative energy, energy efficiency, green building, pollution prevention, or sustainable water.



^{2 - ✓ :} ESG Index is better than the market cap index by at least 20%; × : ESG Index is worse than the market cap index

ESG Index methodology enhancements proposal

ESG Index	ESG Approach	ESG Objective	Enhancement Proposals	Rationale for Proposal	
ESG SRI	Integration + Values	Combines best in class selection with values-based screens	 Exclude companies involved in thermal coal and unconventional oil and gas businesses Exclude companies with FF Reserves. 	 FF exclusion divests from companies at risk of stranded assets. Power generation companies which do not own reserves can escape FF screen. 	
ESG Leaders	Integration	Simple and transparent ESG integration through best in class approach	Exclude companies involved in thermal coal and unconventional oil and gas businesses.	 Relatively fewer exclusions Exclusions do not interfere with the overall ESG profile of 	
ESG Focus	Integration	Optimized exposure to positive ESG factors while maintaining risk and return characteristics similar to parent index	gas businesses	the ESG index.	
ESG Universal	Integration	Dynamic ESG integration in a broad and diversified index	 Overlay Climate Change Index methodology 	 Reweighting constituents is aligned with the index objective. 	



Proposed Methodology Enhancements

To propose a set of exclusions¹ which –

- Help reduce index carbon footprint and exposure to stranded assets.
- Are sensible and consistent with ESG objective of the index
- Would likely not cause deterioration in overall ESG profile of the index
- Would likely not cause significant changes in the composition of the index

ESG Index	Enhancements ²	Thermal Coal (Mining and Sale) + Unconventional Oil & Gas (Extraction) ²	Thermal Coal (Power Generation)	Ex Fossil Fuel Reserves	Overlay Climate Change Index methodology ³
ESG SRI	Proposal	5%	5%	Yes	N/A
	Alternate	5%	5%	N/A	N/A
ESG	Proposal	5%	5%	N/A	N/A
Leaders*/ ESG Focus	Alternate	30%	30%	N/A	N/A
ESG	Proposal	N/A	N/A	N/A	Yes
Universal	Alternate	30%	30%	N/A	N/A

^{*}Should ESG Leader indexes target to meet minimum standards for EU Climate Transition Benchmark⁴?

Reweighting constituents of ESG Universal Index following MSCI Climate Change Index methodology

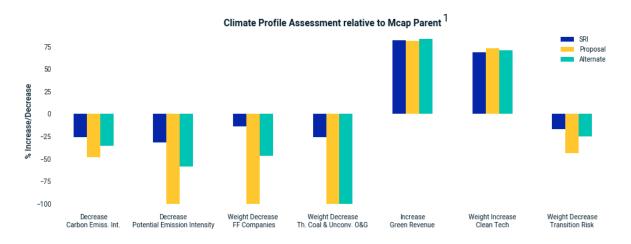


Implemented as additional screens in the above methodologies. Other aspects of index methodologies like – ranking, sorting, weighting or optimization parameters, are not changed.

^{2.} Exact definitions of screens are provided in Appendix.

Simulated Impact of Enhancements on MSCI World SRI

The proposed exclusion screens resulted in lower exposure to risk from stranded assets while maintaining similar risk/return characteristics compared to the current indexes



Key Metrics ³				
	MSCI			
	World	SRI Sim4	Proposal	Alternate
	Index			
Total Return* (%)	7.47	7.27	7.70	7.46
Total Risk (%)	11.62	11.75	11.70	11.73
Tracking Error (%)	0.00	2.11	2.20	2.17
No of Stocks***	1641	489	465	477
Turnover** (%)	2.5	16.9	16.6	16.8
Transition Turnover (%) ⁵		10.7	14.7	12.1
Included in Transition		37.0	44.0	36.0
Deleted in Transition		50.0	73.0	61.0

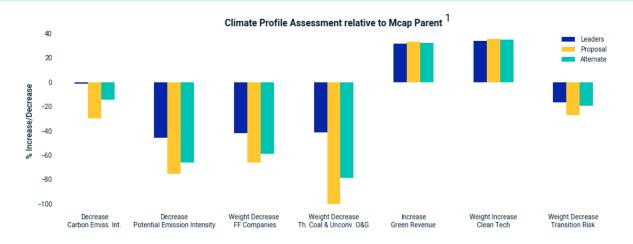
ESG Metrics2

	MSCI World	SRI Sim	Proposal	Alternate
ESG Score	Index 5.9	8.2	8.3	8.3
ESG Leaders (AAA-AA) (%	26.6	74.7	76.4	75.5
ESG Laggards (B-CCC) (%)	7.8	0.0	0.0	0.0
ESG Trend Positive (%)	14.6	15.5	14.9	14.6
Environmental Score	5.4	6.5	6.6	6.6



Simulated Impact of Enhancements on MSCI World ESG Leaders

Both proposed and alternate exclusion screens resulted in lower exposure to climate risk while maintaining similar risk/return characteristics compared to the current indexes



Key Metrics3	
--------------	--

ite y inic tires				
	MSCI	ESG		
	World	Leaders	Proposal	Alternate
	Index	Sim ⁴		
Total Return* (%)	7.47	7.63	7.95	7.91
Total Risk (%)	11.62	11.75	11.81	11.72
Tracking Error (%)	0.00	1.31	1.44	1.38
No of Stocks***	1641	1009	973	993
Turnover** (%)	2.5	18.5	18.5	18.9
Transition Turnover (%) ⁵		5.8	8.5	8.5
Included in Transition		42.0	51.0	50.0
Deleted in Transition		72.0	98.0	97.0

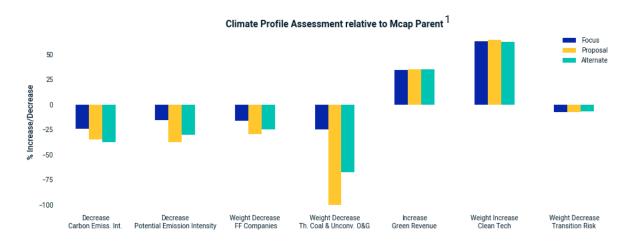
ESG Metrics²

	MSCI	ESG		
	World	Leaders	Proposal	Alternate
	Index	Sim		
ESG Score	5.9	7.1	7.1	7.2
ESG Leaders (AAA-AA) (%	26.6	44.5	44.4	44.7
ESG Laggards (B-CCC) (%)	7.8	0.0	0.0	0.0
ESG Trend Positive (%)	14.6	15.6	15.1	15.8
Environmental Score	5.4	6.0	6.1	6.1



Simulated Impact of Enhancements on MSCI World ESG Focus

The proposed exclusion screens resulted in lower exposure to risk from stranded assets while maintaining similar risk/return characteristics compared to the current indexes



110 / 1110 11100				
	MSCI World Index	MSCI World ESG Focus Index	Proposal	Alternate
Total Return* (%)	7.50	7.70	7.7	7.80
Total Risk (%)	11.60	11.80	11.8	11.80
Tracking Error (%)	0.00	0.60	0.60	0.60
No of Stocks***	1641	492	504	492
Turnover** (%)	2.5	29.2	29.5	29.2
Included in Transition4		55.0	54.0	53.0
Deleted in Transition		53.0	47.0	57.0

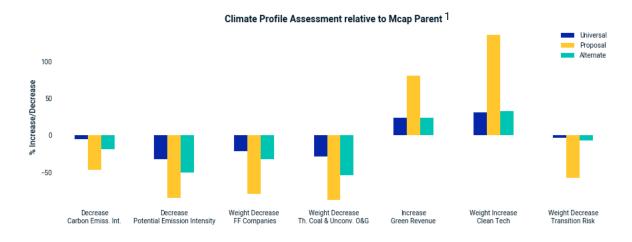
ESG Metrics 2

	MSCI World Index	MSCI World ESG Focus Index	Proposal	Alternate
ESG Score	5.9	7.4	7.3	7.4
ESG Leaders (AAA-AA) (%	26.6	55.8	53.6	55.6
ESG Laggards (B-CCC) (%)	7.8	1.4	1.4	1.4
ESG Trend Positive (%)	14.6	14.6	14.8	14.7
Environmental Score	5.4	6.1	6.1	6.1



✓ Simulated Impact of Enhancements on MSCI World ESG Universal

The proposed exclusion resulted in lower exposure to climate risk. The alternate proposal resulted in improvement in exposure to climate opportunities. Both 'proposal' and 'alternate' indexes maintained similar risk/return and ESG profile compared to the current index.



ESG Metrics 2

Key Metrics ³				
	MSCI World Index	MSCI World ESG U Index	Proposal	Alternate
Total Return* (%)	7.47	7.42	8.08	7.62
Total Risk (%)	11.62	11.63	11.73	11.58
Tracking Error (%)	0.00	0.70	1.29	0.80
No of Stocks***	1641	1597	1528	1564
Turnover** (%)	1.7	13.6	12.6	12.0
Transition Turnover (%)4		5.2	12.6	5.4
Deleted in Transition		55.0	65.0	88.0

		MSCI World ESG U Index	Proposal
SG Score	5.9	6.6	6.7

ESG Score	5.9	6.6	6.7	6.6
ESG Leaders (AAA-AA) (%	26.6	43.1	44.4	43.4
ESG Laggards (B-CCC) (%)	7.8	3.0	2.7	2.8
ESG Trend Positive (%)	14.6	16.1	14.6	16.1
Environmental Score	5.4	5.8	6.0	5.8



Alternate

Proposed Enhancement of ESG Leaders' Exclusions Screens



Basis for ESG Leaders Screen Migration

Objective:

To migrate the old exclusions screens to align with the new framework with the least (or most reasonable) turnover

Possible Advantages of Migration to New Framework

- ✓ Clearer focus on the intent of exclusion (primary vs. secondary involvement e.g., Tobacco producer vs. retailer)
- ✓ Would remove over-exclusion in certain screens to align with the primary objective of the index, which is focused on Integration





Proposed Enhancement

Main Proposal:

Use <u>One Restriction Level below SRI</u>¹ to be in line with the Integration objective but acknowledge screen-specific relevance and/or sensitivity.

Screen	SRI (Reference)	Proposed
Tobacco	Highly Restrictive	Moderately Restrictive
Alcohol	Moderately Restrictive	Least Restrictive

Alternate Proposal:

Use <u>Least Restrictive</u>² across all screens, on the bases of the following:

- 1) Keep the exclusions at minimum to focus on the Integration objective
- 2) In line with the intent of the existing criteria (focused on ≥50 primary involvement for most screens), which is beyond Least Restrictive



Summary of Proposal

Main Proposal: One Restriction level below SRI (except CW & Nuclear Weapons)

Alternate Proposal: Least Restrictive across all screens (except CW)

Screen	Current ESG Leaders (Reference)		Proposal	Alternate	
Alcohol	≥ 50 or \$ 1B Producer	Moderate	Least	Least	
Gambling	≥ 50 or \$ 1B Operations & Support	Moderate		Least	
Nuclear Power	≥ 50 or 6000 MW Utility; Key Suppliers¹	Moderate		Least	
Controversial Weapons	Most Restrictive / Zero Tolerance				
Conventional Weapons	≥ 50 or \$ 1B Weapons & Components	Moderate	Least	Least	
Nuclear Weapons	All Weapons Systems & Components	High	High ²	Least	
Civilian Firearms	≥ 50 or \$ 100M Producer	High	Moderate	Least	
Tobacco	≥ 50 or \$ 1B Producer	High	Moderate	Least	



¹ Uranium Mining, Nuclear Fuel Enrichment, Nuclear Reactor Design

² Aligned with SRI given its link to Controversial Weapons

Simulated Impact of Proposed Screens on MSCI World

Screen	ESG Leaders		Proposal: Relative to SRI		Alternate: Least Restrictive	
	Count	Weight	Count	Weight	Count	Weight
Alcohol	15	1.18%	15	1.18%	15	1.18%
Gambling	18	0.38%	15	0.28%	15	0.28%
Nuclear Power	24	2.14%	30	2.07%	30	2.07%
Controversial Weapons	5	0.92%	5	0.92%	5	0.92%
Conventional Weapons	10	1.61%	12	1.22%	12	1.22%
Nuclear Weapons	25	3.17%	17	2.02%	8	0.76%
All Weapons	26	3.21%	20	2.19%	17	1.60%
Civilian Firearms	1	0.12%	0	0%	0	0%
Tobacco	6	0.94%	6	0.94%	6	0.94%
OVERALL	85	7.28%	86	6.66%	83	6.08%

Proposals 1 & 2 are identical

Proposals 1 & 2 are different



▼ Simulated Impact – VBE Migration (Proposal)

Screen	Delete	Add
Alcohol	-	-
Gambling	-	1 (0.05%)
Nuclear Power	10 (1.58%)	-
Controversial Weapons	-	-
Conventional Weapons	-	-
Nuclear Weapons	-	-
All Weapons	-	-
Civilian Firearms	-	-
Tobacco	-	-
OVERALL	10 (1.58%)	1 (0.05%)

Deletes (Nuclear Power)	Country	Weight
DTE Energy	USA	0.11%
Dominion Energy	USA	0.30%
Iberdrola	Spain	0.27%
Pinnacle West Capital	USA	0.05%
Public Service Ent Grp	USA	0.15%
RWE Stamm	Germany	0.07%
Edison International	USA	0.10%
Southern Company	USA	0.28%
E. ON	Germany	0.11%
Xcel Energy	USA	0.15%

Adds (Gambling)	Country	Weight
Aristocrat Leisure	Australia	0.05%



▼ Simulated Impact – VBE Migration (Alternate)

Screen	Delete	Add
Alcohol	-	-
Gambling	-	1 (0.05%)
Nuclear Power	10 (1.58%)	-
Controversial Weapons	-	-
Conventional Weapons	-	1 (0.55%)
Nuclear Weapons	-	1 (0.55%)
All Weapons	-	1 (0.55%)
Civilian Firearms	-	-
Tobacco	-	-
OVERALL	10 (1.58%)	2 (0.60%)

Deletes (Nuclear Power)	Country	Weight
DTE Energy	USA	0.11%
Dominion Energy	USA	0.30%
Iberdrola	Spain	0.27%
Pinnacle West Capital	USA	0.05%
Public Service Ent Grp	USA	0.15%
RWE Stamm	Germany	0.07%
Edison International	USA	0.10%
Southern Company	USA	0.28%
E. ON	Germany	0.11%
Xcel Energy	USA	0.15%

Adds (Gambling)	Country	Weight
Aristocrat Leisure	Australia	0.05%

Adds (Weapons)	Country	Weight
United Technologies	USA	0.55%



Proposed Capping of Maximum Weight in ESG Leader and SRI Indexes



Maximum Constituent Weight in ESG Leader and SRI Indexes

- ESG Leaders and SRI Indexes include constituents at large weight.
- Large constituent weights exposes indexes to potentially stock specific volatility, concentration risk, replication challenges and also excessive turnover

ESG Leaders Index	Max. Weight
EM	9.0
North America	7.0
EMU	5.4
USA	7.4
Switzerland	36.7

SRI Index	Max. Weight
EM	16.5
World	9.12
EMU	8.8
USA	15.4
ACWI	8.2



Methodology Proposal to Cap Max Issuer Weight

MSCI Proposes to cap the maximum issuer weight in ESG leaders and SRI Indexes.

- In the SRI and ESG Leaders indexes, the selected constituents are weighted in proportion of the market capitalization.
- Capping Proposal The maximum weight of an issuer would be capped as follows
 - Max issuer weight in ESG Leaders and SRI Index <5%, if the largest issuer weight in parent index is less than 10%
 - Max issuer weight in ESG Leaders and SRI Index = largest issuer weight in parent index, if the largest issuer weight in parent index is more than to 10%
 - The excess weight of the largest issuer is distributed among rest of the index constituents in proportion of their weight in the pre-capping index.
 - The distribution of excess weight doesn't take into account the sector neutrality of ESG Leaders and SRI indexes



Proposal – MSCI EM ESG SRI Capped (1/2)

Capping of maximum issuer weight resulted in a more diversified index, similar ESG profile, lower turnover and lower return compared to the parent index.*

Key Metrics

key wetrics			
	MSCI EM (Emerging Markets) Index	MSCI EM (Emerging Markets) SRI Index	EM SRI 5% Capped
Total Return* (%)	3.36	5.50	4.31
Total Risk (%)	15.68	14.14	14.16
Return/Risk	0.21	0.39	0.30
Sharpe Ratio	0.15	0.32	0.23
Active Return (%)	0.00	2.14	0.94
Tracking Error (%)	0.00	5.24	5.41
Information Ratio	NaN	0.41	0.17
Historical Beta	1.00	0.85	0.85
No of Stocks***	903	179	179
Turnover** (%)	6.9	10.8	9.9
Price To Book***	1.6	2.0	1.9
Price to Earnings***	13.9	15.8	15.8
Dividend Yield*** (%	2.6	2.8	2.8

Period: 30-May-2014 to 28-Jun-2019

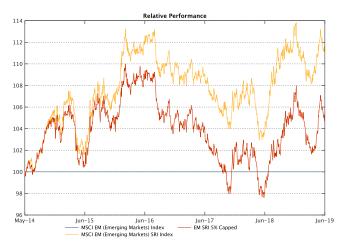
The definitions of all statistical parameters are available in the Appendix

Performance (%)

	MSCI EM (Emerging Markets) Index	MSCI EM (Emerging Markets) SRI Index	EM SRI 5% Capped
YTD	10.76	8.23	8.22
1 Yr	3.83	10.33	9.85
3 Yr	12.45	12.01	10.99
5 Yr	2.96	4.91	3.74
10 Yr	NaN	NaN	NaN

Gross returns in USD for the period ending 28-Jun-2019

Returns are annualized for periods longer than one year





^{*} Gross returns annualized in USD

^{**} Annualized one-way index turnover over index reviews

^{***} Monthly averages

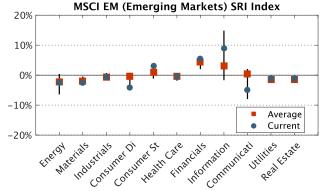
Proposal – MSCI EM ESG SRI Capped(2/2)

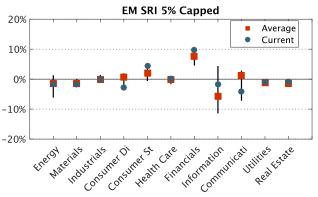
Issuer above 5% in EM SRI	Weight
Taiwan Semiconductor Mfg	16.4%

Concentration Metrics			
	MSCI EM	MSCI EM	
	(Emerging	(Emerging	EM SRI 5% Capped
	Markets) Index	Markets) SRI Index	
Concentration			

Concentration			
Avg No. of Stocks	903	179	179
Effective No of Stocks **	134	32	72
Parent Index Coverage (%)	100.0	22.4	22.4
Top 10 Sec Wt (%)	21.5	35.3	27.7

MSCI EM (Emerging Markets) Index	MSCI EM (Emerging Markets) SRI Index	EM SRI 5% Capped
4.3	6.8	6.7
10.1	43.6	36.0
23.4	0.0	0.0
11.5	5.3	6.0
6.7	4.1	4.6
4.6	5.4	5.6
4.6	5.7	5.4
3.9	5.0	4.9
	(Emerging Markets) Index 4.3 10.1 23.4 11.5 6.7 4.6 4.6	(Emerging (Emerging Markets) Index Markets) SRI Index 4.3 6.8 10.1 43.6 23.4 0.0 11.5 5.3 6.7 4.1 4.6 5.4 4.6 5.7





*Monthly Average



**Effective number of stocks (EN) is a measure of Index concentration and ranges between 1 (for a single stock) and the number of stocks in the Index (for an equal-weighted index). Generally, the lower the EN, the more concentrated an Index.

Proposal – MSCI EM ESG Leaders Capped(1/2)

Capping of maximum issuer weight resulted in a more diversified index, similar ESG profile, similar turnover and slightly lower return compared to the parent index.*

Key	IV	le:	tri	CS

Key Wethts			
	MSCI EM (Emerging Markets) Index	MSCI EM (Emerging Markets) ESG Leaders Index	EM ESG Leaders 5% Capped
Total Return* (%)	3.36	5.77	5.44
Total Risk (%)	15.68	15.19	14.89
Return/Risk	0.21	0.38	0.37
Sharpe Ratio	0.15	0.31	0.30
Active Return (%)	0.00	2.41	2.07
Tracking Error (%)	0.00	2.60	2.69
Information Ratio	NaN	0.93	0.77
Historical Beta	1.00	0.96	0.94
No of Stocks***	903	391	391
Turnover** (%)	6.9	12.6	12.6
Price To Book***	1.6	1.9	1.8
Price to Earnings***	13.9	15.5	15.1
Dividend Yield*** (%	2.6	2.5	2.6

Period: 30-May-2014 to 28-Jun-2019

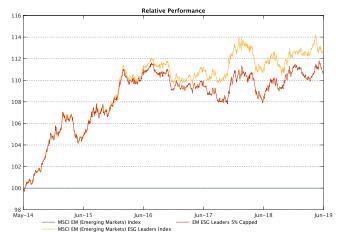
The definitions of all statistical parameters are available in the Appendix

Performance (%)

	MSCI EM (Emerging Markets) Index	MSCI EM (Emerging Markets) ESG Leaders Index	EM ESG Leaders 5% Capped
YTD	10.76	10.54	10.08
1 Yr	3.83	5.22	6.06
3 Yr	12.45	12.86	12.40
5 Yr	2.96	5.27	4.94
10 Yr	NaN	NaN	NaN

Gross returns in USD for the period ending 28-Jun-2019

Returns are annualized for periods longer than one year





^{*}See disclaimers at the end of this presentation regarding simulated and back-tested results. Not indicative of actual or future performance.

^{*} Gross returns annualized in USD

^{**} Annualized one-way index turnover over index reviews

^{***} Monthly averages

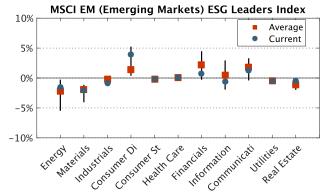
Proposal – MSCI EM ESG Leaders Capped(2/2)

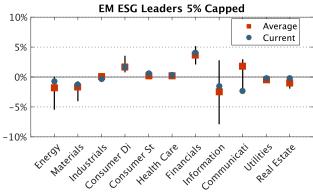
Issuer above 5% in EM SRI	Weight
Tencent Holdings Li (Cn)	9.2
Alibaba Group Hldg Adr	8.6
Taiwan Semiconductor Mfg	6.8

Concentration Metrics *			
	iviarkets) index	Leaders Index	EM ESG Leaders 5% Capped
Concentration*			
Avg No of Stocks	903	391	391
Effective No of Stocks **	134	59	78
Parent Index Coverage (%)	100.0	50.1	50.1
Top 10 Sec Wt (%)	21.5	32.0	28.5

ESG Metrics

	MSCI EM (Emerging Markets) Index	MSCI EM (Emerging Markets) ESG Leaders Index	EM ESG Leaders 5% Capped
Integration			
Key Integration Metrics			
ESG Score	4.3	5.5	5.6
ESG Leaders (AAA-AA) (%)	10.1	18.5	18.1
ESG Laggards (B-CCC) (%)	23.4	0.1	0.2
ESG Trend Positive (%)	11.5	16.9	14.5
ESG Trend Negative (%)	6.7	5.2	5.9
ESG Pillars			
Environmental Score	4.6	5.1	5.1
Social Score	4.6	5.2	5.2
Governance Score	3.9	4.3	4.5





*Monthly Average



**Effective number of stocks (EN) is a measure of Index concentration and ranges between 1 (for a single stock) and the number of stocks in the Index (for an equal-weighted index). Generally, the lower the EN, the more concentrated an Index.

Discussion Points

- Climate Profile of ESG Indexes
 - Do you think climate risk is an important concern for ESG investors?
 - Do you agree with exclusion of thermal coal and unconventional oil and gas companies from the ESG indexes? Are the revenue thresholds sensible?
 - Do you agree with the proposal to divest from the Fossil Fuel companies in the SRI indexes?
 - Are the enhancement proposals providing the right level of over weighting on solution providers and under weighting on companies facing transition risks?
 - Should the ESG indexes also exclude stocks based on Low Carbon Transition Score ?
 - Should the proposal for SRI be more broadly applied to KLD 400?
 - Should the proposal for ESG Leaders be more broadly applied to USA Catholic Values, USA ESG Select and other associated custom indexes?
- Controversial Business Involvement Criteria for MSCI ESG Leaders Indexes
 - Do you agree to keep the Nuclear Weapons screen at highly restrictive level (similar to SRI)
 given its association with Controversial Weapons?
 - Do you think it makes sense to have nuanced screens (one step below SRI) for Civilian Firearms and Tobacco?
- Capping maximum issuer weight in ESG Leaders and SRI Indexes
 - Should the maximum issuer weight be capped in SRI and ESG Leaders indexes?
 - Should the capping be relaxed to a higher level in SRI indexes ?



Appendix



Definition of Exclusion Screens

- THERMAL_COAL_MAX_REV_PCT The maximum percentage of revenue (either reported or estimated) greater than 0% that a company derives from the mining of thermal coal (including lignite, bituminous, anthracite and steam coal) and its sale to external parties. It excludes: revenue from metallurgical coal; coal mined for internal power generation (e.g. in the case of vertically integrated power producers); intra-company sales of mined thermal coal; and revenue from coal trading.
- GENERAT_MAX_REV_THERMAL_COAL The maximum percentage of revenue (either reported or estimated) that a
 company derives from the thermal coal based power generation.
- UNCONV_OIL_GAS_MAX_REV_PCT The maximum percentage of revenue (either reported or estimated) greater than 0% that a company derives from unconventional oil and gas. It includes revenues from oil sands, oil shale (kerogenrich deposits), shale gas, shale oil, coal seam gas, and coal bed methane. It excludes all types of conventional oil and gas production including Arctic onshore/offshore, deepwater, shallow water and other onshore/offshore.
- Ex FF (Ex Fossil Fuel) This screen identifies companies, regardless of their industries, with evidence of owning fossil fuel reserves used most likely for energy applications. For high-intensity industries (belonging to Energy and Utilities GICS Sector & Diversified Metals & Mining GICS Sub-Industry), this factor flags companies with evidence of fossil fuel reserves (excluding Metallurgical Coal). For other industries, it flags companies with evidence of fossil fuel reserves (excluding Metallurgical Coal) and deriving revenue from business segments associated with energy application of fossil fuels such as Thermal Coal mining, Oil & Gas exploration & production and downstream activities e.g. refining; distribution & retail; pipeline & transportation; trading and fossil fuel- based power generation.



▼ Methodology - ESG Universal Climate Change Overlay

Parameter	Methodology Proposal
Parent Index	MSCI World ESG Universal
Category Tilt Score	 Solutions = 3x Neutral = 1x Operational Transition = 0.667x Product Transition = 0. 333x Asset Stranded = 0.167x
Relative Tilt Score	(LCT ¹ Score)/(Max. LCT Score ² in Category)
Relative Tilt Score Floored	Relative Scores below 0.5 are floored at 0.5
Combined Score	Combined Score = Category Tilt Score x Relative Tilt Score
Weighting	 Parent security weights are tilted in proportion of the "Combined Score" defined above
Rebalance frequency	Semi Annual



^{1.} LCT - Low Carbon Transition Score

Impact of Enhancement Proposal for improvement in Climate Risk Profile on Climate Profile of Select MSCI ESG Indexes

	Climate Metrics	World SRI	World Leaders	World ESG Focus	World ESG Universal
Carbon Footprint – Lower than the	Carbon Emission Intensity	√ ²	✓	✓	✓
Parent	Potential Emission Intensity	✓	✓	✓	✓
Risk of Stranded assets exposure –	Index Weight in Companies with Fossil Fuel (FF) Tie	✓	✓	✓	✓
Lower weight than the Parent	More than 5% revenue from Thermal Coal and Unconventional O&G	✓	✓	✓	√
Climate Solutions – Higher than the	Weighted Average Green Revenue ²	✓	✓	✓	✓
Parent	Index Weight in companies with Green Revenue > 20%	✓	✓	✓	✓
Transition Risk – Lower than the parent	Index Weight in Transition Companies	√	√	×	√

^{1 –} Index constituents as of 29th May 2019, climate metric data as of 30th April 2019. Calculation details can be seen in appendix.

^{2 - ✓ :} ESG Index is better than the market cap index by at least 20%; × : ESG Index is worse than the market cap index; – : ESG index is similar to the market cap index



ESG Exclusions Framework(1/2)

The standard screens are based on MSCI ESG Research's Exclusions framework and can be used to implement values-based exclusions in indexes in a simple and consistent manner.

Screen	Factor	Most Restrictive / Zero Tolerance		ghly rictive	Modera Restric	-	Least Restrictive		Restriction Levels
	FREQU	ENTLY USED SCREENS	3						
Alcohol	Producer	•	•	≥ 5%	≥ 5%		≥ 10%		
	Distributor	•							
	Retailer	•				≥ 15%			
	Supplier	•							
	Licensor	•							
	Ownership Of/By	•							Absolute
Civilian Firearms	Producer: Automatic	•	•	• • ≥ 5%	5% ≥5% ≥1		•	ND L	Tie vs.
	Producer: Semi-Automatic	•	•				AND		
	Producer	•	•			≥15%	≥ 10%		Revenue
	Producer: Ammunition	•	•						Threshold*
	Retailer and Distributor	•							
	Ownership Of/By	•						· '	
Conventional Weapons	Conventional Weapons Systems	•	•		% ≥ 5% ≥ 1 5%		≥ 10%		
	Conventional Weapons Components	•		≥ 5%		≥ 15%			
	Support Systems and Services	•							
	Ownership Of/By	•							
Gambling	Operations	•	•		≥ 5%		≥ 10%		
	Support	•		≥ 5%		≥ 15%			
	Licensor	•							
	Ownership Of/By	•							



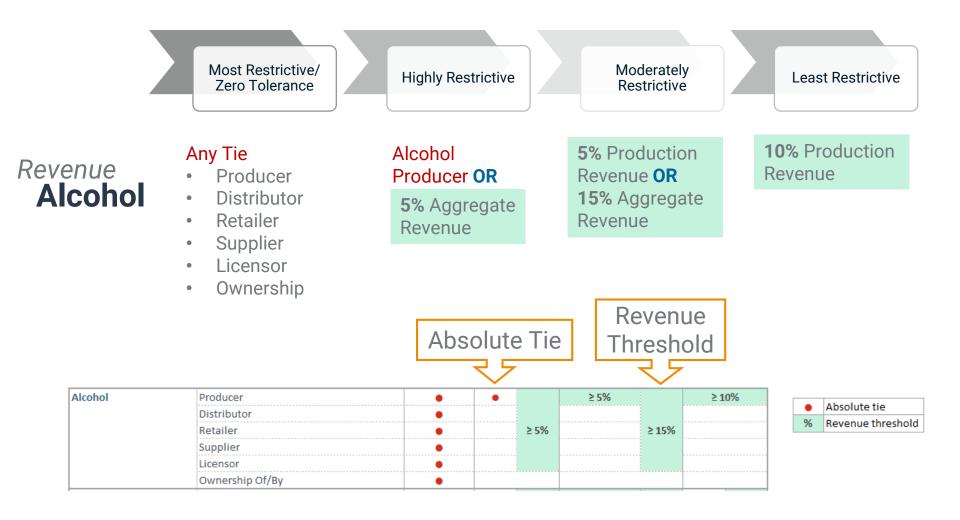
^{*} Shaded cells refer to Aggregate Revenue including the relevant business activities

ESG Exclusions Framework(2/2)

Screen	Factor	Most Restrictive / Zero Tolerance	Highly Restrictive	Moderately Restrictive	Least Restrictive
	FREQU	ENTLY USED SCREENS	3		
Nuclear Power	Utility	•	• ≥5%	Generation / Installed Capacity / ≥ 15% Revenue ≥ 5%	Generation / Installed Capacity / Revenue ≥ 10%
	Supplier	•			
	Ownership Of/By	•			
Nuclear Weapons	Warheads & Missiles	•	•	•	•
	Intended-use Components	•	•	•	•
	Nuclear Exclusive Delivery Platforms	•	•	•	
	Nuclear Weapons Support Services	•	•		
	Dual-use Components	•	•		
	Dual-use Delivery Platforms	•	•		
	Components of Nuclear Exclusive Delivery Platforms	•	•		
	Components of Dual-use Delivery Platforms	•			
	Ownership Of/By	•			
Tobacco	Producer	•	•	≥ 5%	≥ 10%
	Distributor	•			
	Retailer	•	≥ 5%	≥15%	
	Supplier	•			
	Licensor	•			
	Ownership Of/By	•			



Example of Revenue Screen: Alcohol





Example of Non-Revenue Screen: Animal Welfare

Most Restrictive/ Moderately **Highly Restrictive Least Restrictive** Zero Tolerance Restrictive Non-medical Testing Non-medical Testing Non-medical Testing Any Tie Non-Revenue OR OR Non-medical Animal **Medical Testing** Medical Testing Testing OR OR **Medical Testing** Welfare **Factory Farming Factory Farming Factory Farming** OR Licensed Breeder Licensed Breeder Licensed Exhibitor OR Ownership Of Licensed Exhibitor Ownership By Absolute Tie **Animal Welfare** Non-medical Testing • Absolute tie Medical Testing Revenue threshold **Factory Farming**



Licensed Breeders Licensed Exhibitor Ownership Of/By

✓ Deletions¹ from MSCI World SRI – Enhancement Proposal for improvement in Climate Risk Profile

Security Name	Country	GICS Sector	Weight (%)
TOTAL	FRANCE	Energy	1.24%
CONOCOPHILLIPS	USA	Energy	0.68%
SUNCOR ENERGY	CANADA	Energy	0.49%
WEC ENERGY GROUP	USA	Utilities	0.25%
PIONEER NATURAL RES	USA	Energy	0.25%
WOODSIDE PETROLEUM	AUSTRALIA	Energy	0.23%
REPSOL	SPAIN	Energy	0.23%
EQUINOR	NORWAY	Energy	0.19%
FORTIS	CANADA	Utilities	0.16%
HESS	USA	Energy	0.16%
CMS ENERGY CORP	USA	Utilities	0.16%
FRANCO-NEVADA CORP	CANADA	Materials	0.14%
SSE	UNITED KINGDOM	Utilities	0.14%
MARATHON OIL CORP	USA	Energy	0.12%
DEVON ENERGY CORP	USA	Energy	0.12%
STERIS	USA	Health Care	0.11%
FACTSET RESEARCH SYSTEMS	USA	Financials	0.11%
NOBLE ENERGY	USA	Energy	0.11%
NISOURCE (NEW)	USA	Utilities	0.10%
TECK RESOURCES B	CANADA	Materials	0.10%
EDP ENERGIAS DE PORTUGAL	PORTUGAL	Utilities	0.09%
TOKYO GAS CO	JAPAN	Utilities	0.09%
ENCANA CORP	CANADA	Energy	0.09%
CENOVUS ENERGY	CANADA	Energy	0.09%
GALP ENERGIA SGPS B	PORTUGAL	Energy	0.08%
OMV AG	AUSTRIA	Energy	0.07%
OSAKA GAS CO	JAPAN	Utilities	0.07%
KEPPEL CORP	SINGAPORE	Industrials	0.06%
VERMILION ENERGY	CANADA	Energy	0.03%
TOHO GAS CO	JAPAN	Utilities	0.03%
PRAIRIESKY ROYALTY LTD	CANADA	Energy	0.03%



✓ Deletions¹ from MSCI World ESG Leaders – Enhancement Proposal for improvement in Climate Risk Profile

Security Name	Country	GICS Sector	Weight (%)
CONOCOPHILLIPS	USA	Energy	0.35%
DOMINION ENERGY	USA	Utilities	0.30%
SOUTHERN COMPANY (THE)	USA	Utilities	0.28%
SUNCOR ENERGY	CANADA	Energy	0.25%
OCCIDENTAL PETROLEUM	USA	Energy	0.20%
XCEL ENERGY	USA	Utilities	0.15%
WEC ENERGY GROUP	USA	Utilities	0.13%
PIONEER NATURAL RES	USA	Energy	0.12%
DTE ENERGY	USA	Utilities	0.11%
CLP HOLDINGS	HONG KONG	Utilities	0.10%
FORTIS	CANADA	Utilities	0.08%
HESS	USA	Energy	0.08%
CMS ENERGY CORP	USA	Utilities	0.08%
RWE STAMM	GERMANY	Utilities	0.07%
DEVON ENERGY CORP	USA	Energy	0.06%
MARATHON OIL CORP	USA	Energy	0.06%
ALLIANT ENERGY CORP	USA	Utilities	0.06%
AES CORP	USA	Utilities	0.05%
NOBLE ENERGY	USA	Energy	0.05%
PINNACLE WEST CAPITAL	USA	Utilities	0.05%
NISOURCE (NEW)	USA	Utilities	0.05%
APACHE CORP	USA	Energy	0.05%
EDP ENERGIAS DE PORTUGAL	PORTUGAL	Utilities	0.05%
ORIGIN ENERGY	AUSTRALIA	Energy	0.05%
CENOVUS ENERGY	CANADA	Energy	0.04%
ENCANA CORP	CANADA	Energy	0.04%
CIMAREX ENERGY CO	USA	Energy	0.03%
VERMILION ENERGY	CANADA	Energy	0.02%
PRAIRIESKY ROYALTY LTD	CANADA	Energy	0.01%
JARDINE CYCLE & CARRIAGE	SINGAPORE	Consumer Discretionary	0.01%

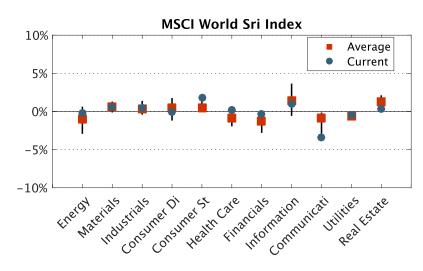


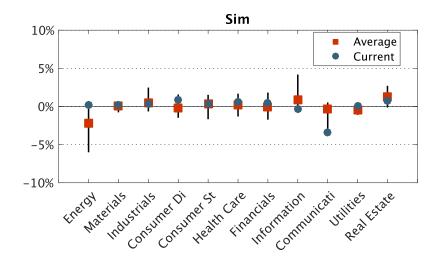
✓ Deletions¹ from MSCI World ESG Focus Index – Enhancement Proposal for improvement in Climate Risk Profile

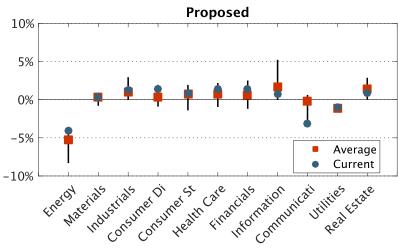
Security Name	Country	GICS Sector	Weight (%)
EXXON MOBIL CORP	USA	Energy	0.72%
CONOCOPHILLIPS	USA	Energy	0.37%
CMS ENERGY CORP	USA	Utilities	0.24%
XCEL ENERGY	USA	Utilities	0.21%
SOUTHERN COMPANY (THE)	USA	Utilities	0.21%
SUNCOR ENERGY	CANADA	Energy	0.19%
HESS	USA	Energy	0.18%
CLP HOLDINGS	HONG KONG	Utilities	0.15%
DOMINION ENERGY	USA	Utilities	0.12%
ENEL	ITALY	Utilities	0.11%
ORIGIN ENERGY	AUSTRALIA	Energy	0.10%
OCCIDENTAL PETROLEUM	USA	Energy	0.10%
ANGLO AMERICAN	UNITED KINGDOM	Materials	0.10%
CENOVUS ENERGY	CANADA	Energy	0.10%
DEVON ENERGY CORP	USA	Energy	0.09%

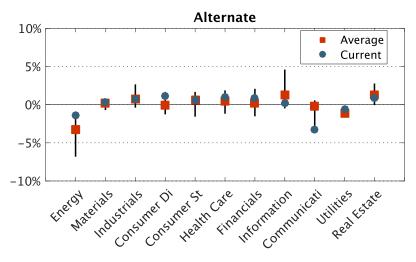


Active Sector Exposures – SRI Indexes



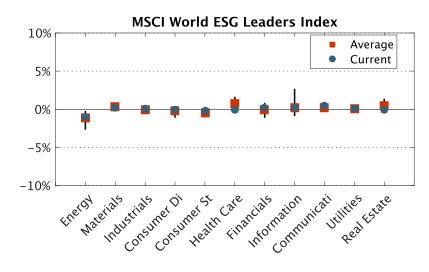


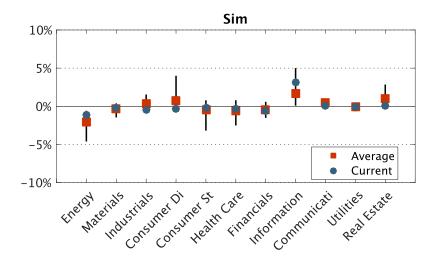


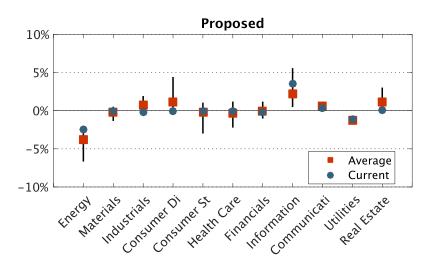


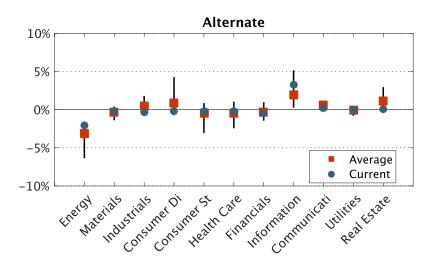


Active Sector Exposures – ESG Leaders Indexes











About MSCI

About MSCI Inc.

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 <u>www.msci.com</u>.



Contact us

AMERICAS		EUROPE, N & AFRICA	MIDDLE EAST	ASIA PACIFIC		
Americas	+1 888 588 4567 *	Cape Town	+ 27 21 673 0100	China North	10800 852 1032 *	
Atlanta	+ 1 404 551 3212	Frankfurt	+ 49 69 133 859 00	China South	10800 152 1032 *	
Boston	+ 1 617 532 0920	Geneva	+ 41 22 817 9777	Hong Kong	+ 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	800 852 3749 *	
San Francisco	o + 1 415 836 8800				+ 61 2 9033 9333	
São Paulo	+ 55 11 3706 1360			Taipei	008 0112 7513 *	
Toronto	+ 1 416 628 1007			Thailand	0018 0015 6207 7181 *	
				Tokyo	+81 3 5290 1555	

• = toll free

msci.com clientservice@msci.com



Notice & 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 informational purposes only. The Information may not be modified, reverse-enquineered, reproduced or redisseminated in whole or in part without prior written permission from MSCI.

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, indirect, 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 in or excluded 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 or suppliers to MSCI, and may also purchase research or other products or services from 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 requires a license from MSCI. MSCI, Barra, RiskMetrics, IPD and other MSCI brands and product names are the trademarks, service marks, or registered trademarks 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 Standard & Poor's. "Global Industry Classification Standard (GICS)" is a service mark of MSCI and Standard & Poor's.

MIFID2/MIFIR notice: MSCI ESG Research LLC does not distribute or act as an intermediary for financial instruments or structured deposits, nor does it deal on its own account, provide execution services for others or manage client accounts. No MSCI ESG Research is an independent provider of ESG data, reports and ratings based on published methodologies and available to clients on a subscription basis. We do not provide custom or one-off ratings or recommendations of securities or or other financial instruments upon request.

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

