

# **MSCI Climate Series A Indexes Methodology**

December 2025

## Contents

<b>1. Introduction</b> .....	<b>3</b>
<b>2. Constructing the Indexes</b> .....	<b>4</b>
2.1 Underlying Universe .....	4
2.2 Initial Screened Universe .....	4
2.2.1 Controversies Eligibility.....	4
2.2.2 Controversial Business Involvement Criteria .....	4
2.3 Eligible Universe .....	5
2.3.1 Carbon Emission Exclusions .....	5
2.3.2 Fossil Fuel Screens .....	6
2.4 Weighting of Securities in Eligible Universe .....	7
2.4.1 Calculation of Combined Tilt Score .....	7
2.4.1.1 Calculation of Green Revenue Tilt Score.....	7
2.4.1.2 Calculation of Transition Risk Management (TRM) Tilt Score.....	7
2.5 Weighting of Securities in the Final Index .....	8
2.6 Treatment of Unrated Companies .....	8
<b>3. Maintaining the Indexes</b> .....	<b>9</b>
3.1 Quarterly Index Reviews.....	9
3.2 Ongoing Event-Related Changes.....	9
<b>4. MSCI Solutions</b> .....	<b>11</b>
4.1 MSCI Controversies .....	11
4.2 MSCI Business Involvement Screening Research .....	11
4.3 MSCI Climate Change Metrics .....	11
4.3.1 Fossil Fuels and Power Generation Metrics .....	11
4.3.2 Greenhouse Gas (GHG) Emissions .....	12
<b>Appendix I: Business Involvement Screening Criteria</b> .....	<b>13</b>
<b>Appendix II: Calculation of Target Metrics</b> .....	<b>16</b>
<b>Appendix III: Methodology Set</b> .....	<b>17</b>
<b>Appendix IV: Changes to this Document</b> .....	<b>18</b>
<b>Contact Us</b> .....	<b>21</b>

## 1. Introduction

The MSCI World Climate Series A Index, MSCI Emerging Markets Climate Series A Index and MSCI AC Asia ex Japan Climate Series A Index (the “Indexes”) aim to represent the performance of a strategy that is designed to exclude companies based on various ESG and climate change criteria. Additionally, the constituents are reweighted in proportion to their revenue from “Green” sources and the strength of their practices and strategies to manage climate related risks and opportunities.<sup>1</sup>

---

<sup>1</sup> The Indexes are governed by a set of methodology and policy documents (“Methodology Set”), including the present index methodology document. Please refer to Appendix III for more details.

## 2. Constructing the Indexes

### 2.1 Underlying Universe

The Underlying Universe for the Indexes includes all the constituents of their respective MSCI parent indexes (the “Parent Index”), as shown in the table below.

Index Name	Parent Index
MSCI World Climate Series A Index	MSCI World Index
MSCI Emerging Markets Climate Series A Index	MSCI Emerging Markets Index
MSCI AC Asia Ex Japan Climate Series A Index	MSCI AC Asia Ex Japan Index

The Indexes use company ratings and research provided by MSCI Solutions<sup>2</sup> to determine eligibility for index inclusion.

### 2.2 Initial Screened Universe

The Initial Screened Universe includes all existing constituents of the Underlying Universe which are not excluded by the screening criteria:

#### 2.2.1 Controversies Eligibility

The Indexes use MSCI Controversies Scores to identify companies that are involved in very serious environmental, social or governance controversies related to their operations and/or products and services. Companies are required to have an MSCI Controversies Score of 1 or above to be eligible for inclusion in the Indexes.

In addition, companies are also excluded based on the following criteria:

1. Environment Controversies (MSCI Environment Controversy Score of 0)
2. Governance Controversies (MSCI Governance Controversy Score of 0)
3. Human Rights Controversies (MSCI Human Rights Controversy Score of 0)
4. Labor Rights Controversies (MSCI Labor Rights Controversy Score of 0)

A Score of zero is a ‘red flag’ controversy, defined as an ongoing, Very Severe controversy implicating a company directly through its actions, products, or operations.

#### 2.2.2 Controversial Business Involvement Criteria

The Indexes use MSCI Business Involvement Screening Research and MSCI Climate Change Metrics to identify companies that are involved in the following business activities. Companies that meet the

---

See section 4 for further information regarding ESG and climate data used in the Indexes that MSCI Limited and MSCI Deutschland GmbH source from MSCI Solutions LLC, a separate subsidiary of MSCI Inc. MSCI Solutions is solely responsible for the creation, determination and management of such data as a provider to MSCI Limited and MSCI Deutschland GmbH. MSCI Limited and MSCI Deutschland GmbH are the benchmark administrators for the MSCI indexes.

business involvement criteria are excluded from the Indexes. Please refer to Appendix I for more details on the implementation of these criteria.

- Civilian Firearms
- Controversial Weapons
- Conventional Weapons
- Nuclear Weapons
- Tobacco
- For Profit Prisons
- Adult Entertainment
- Gambling
- Unconventional Oil & Gas
- Oil & Gas Value Chain
- Power Generation
- Thermal Coal Distribution
- Power Generation

Companies are also evaluated on customized governance criteria for the MSCI Emerging Markets Climate Series A Index and the Emerging Markets region within the MSCI AC Asia ex Japan Climate Series A Index.

## 2.3 Eligible Universe

The Eligible Universe comprises all the constituents of the Initial Screened Universe that are not excluded by any of the below screening criteria.

### 2.3.1 Carbon Emission Exclusions

The Carbon Emissions Exclusions aim to exclude 10% of the number of securities in the Parent Index in the following steps.

**Step 1:** Companies that derive 10% or more of their total annual revenues (either reported or estimated) from thermal coal-based power generation are excluded from the Eligible Universe.

**Step 2:** All companies that meet the below two sub-steps conditional exclusions rule:

**Sub-step 1:** Identify all companies deriving 5% or more of their total annual revenues (either reported or estimated) from thermal coal-based power generation.

**Sub-step 2:** Exclude all companies flagged in sub-step 1 which either have a Low Carbon Transition (LCT) Management Score of 4 or below, or have a score belonging to the bottom half of the Low Carbon Transition Management Score Quartile (defined as scores 3 or 4)

**Step 3:** The remaining constituents of the Eligible Universe, after the exclusion in Step 1 and 2, are ranked in descending order of Scope 1 + Scope 2 emissions intensity<sup>3</sup>. If two stocks have the same emissions intensity, the stock with the lower parent weight will be assigned a higher rank and will be excluded before the stock with the higher weight in the Parent Index.

- Top ranked stocks are excluded till the total number of stocks excluded by the Carbon Emissions Exclusions (including the stocks excluded in Step 1 and 2) is not more than 10% of the number of stocks in the Parent Index.
- Stocks are excluded from any given sector in step 3, only if the cumulative weight of all securities excluded by the Carbon Emission Exclusions (Section 2.3.1 – step 1,2 and 3) from this sector is less than 30% of the weight of the sector in the Parent Index. In case this limit is reached for any sector, no further securities from that sector are excluded in Step 3

### 2.3.2 Fossil Fuel Screens

Constituents which meet any of the screening criteria below are excluded from the Eligible Universe:

#### Fossil Fuel Reserves

- Companies with evidence of owning fossil fuel reserves used most likely for energy applications.

#### Thermal Coal Mining

- Companies that derive 1% or more of their total annual revenues from the mining of thermal coal (including lignite, bituminous, anthracite and steam coal) and its sale to external parties. It does not screen out: revenues 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.

#### Unconventional Oil & Gas (including Arctic Oil) Extraction

- All companies that meet the below two-step conditional exclusions rule:
  - Step 1:** Identify all companies deriving 5% or more revenue from oil sands, oil shale (kerogen-rich deposits), shale gas, shale oil, coal seam gas, and coal bed methane, or 1% or more revenue from Arctic oil production.
  - Step 2:** Exclude all companies flagged in Step 1 which either have a Low Carbon Transition (LCT) Management Score of 4 or below, or have a score belonging to the bottom half of the Low Carbon Transition Management Score Quartile (defined as scores 3 or 4)

#### Potential Emissions

- Companies that derive any revenue from the potential carbon emissions of the fossil fuel reserves, excluding metallurgical coal reserves, owned by a company.

#### Energy GICS Sector

- Companies that belong to Energy GICS Sector (GICS Sector Code – 10)

<sup>3</sup> Please refer to Appendix II for more details on the calculation of carbon intensity

## 2.4 Weighting of Securities in Eligible Universe

At each rebalancing, securities in the Eligible Universe are first weighted in proportion of their free-float adjusted market capitalization. Additionally, the active weight of stocks in the Eligible Universe, with respect to the Parent Index, is capped at 0.2%.

After the capping of active weights of stocks in the Eligible Universe, all the securities from the Eligible Universe are weighted in proportion of the product of their “capped weight” as defined above and the Combined Tilt Score

$$\text{Security Weight} = \text{Capped Weight} * \text{Combined Tilt Score}$$

The above weights are normalized to 100%.

### 2.4.1 Calculation of Combined Tilt Score

The Combined Tilt Score is calculated for each security in the Eligible Universe based on the percentage of revenues derived from “Green” sources and the Low Carbon Transition Risk Management (TRM) Score<sup>4</sup>:

$$\text{Combined Tilt Score} = \text{Green Revenue Tilt Score} * \text{TRM Tilt Score}$$

#### 2.4.1.1 Calculation of Green Revenue Tilt Score

The Green Revenue Tilt Score is calculated based on the total “Green Revenue (%)” calculated as the aggregate percentage of revenue derived from the following revenue components:

1. Energy Efficiency
2. Alternate Energy
3. Green Building

$$\text{Green Revenue Tilt Score} = 1 + \frac{\text{Green Revenue (\%)}}{100}$$

For any security in the Eligible Universe, if the percentage of revenue derived from any component is unavailable, the revenue from that component is assumed to be 0%.

#### 2.4.1.2 Calculation of Transition Risk Management (TRM) Tilt Score

The TRM Tilt Score is assigned to each security in the Eligible Universe based on the TRM Score as per the table below:

TRM Score	TRM Tilt Score
TRM Score Unavailable	1.00
TRM Score less than or equal to 6	1.00
TRM Score greater than 6 but less than or equal to 7	1.05
TRM Score greater than 7 but less than or equal to 8	1.10

<sup>4</sup> The MSCI Low Carbon Transition Risk Management score is an assessment of companies based on how well a company manages risk and opportunities related to the Low Carbon Transition. For further details, please refer to <https://www.msci.com/climate-change-solutions>

TRM Score greater than 8 but less than or equal to 9	1.15
TRM Score greater than 9 but less than or equal to 10	1.20

## 2.5 Weighting of Securities in the Final Index

The final step is to apply an active cap relative to the Parent Index. At each rebalancing, the active weight of an Index constituent at security level is, with respect to the Parent Index, capped at 1%.

## 2.6 Treatment of Unrated Companies

Companies not assessed by MSCI Solutions on data for any of the following MSCI sustainability and climate products are not eligible for inclusion in the Indexes:

- MSCI Controversies
- MSCI Climate Change Metrics
- MSCI Business Involvement Screening Research

### 3. Maintaining the Indexes

#### 3.1 Quarterly Index Reviews

The Indexes are reviewed on a quarterly basis, coinciding with the February, May, August and November Index Reviews of the Parent Index. The pro forma Indexes are in general announced nine business days before the effective date.

In general, MSCI uses MSCI Solutions data<sup>5</sup> (including MSCI Controversies, MSCI Climate Change Metrics and MSCI Business Involvement Screening Research) as of the end of the month preceding the Index Reviews for the rebalancing of the Indexes. For some securities, such data may not be published by MSCI Solutions by the end of the month preceding the Index Review. For such securities, MSCI will use ESG data published after the end of month, when available, for the rebalancing of the Index.

#### 3.2 Ongoing Event-Related Changes

The general treatment of corporate events in the Indexes aims to minimize turnover outside of Index Reviews. The methodology aims to appropriately represent an investor’s participation in an event based on relevant deal terms and pre-event weighting of the index constituents that are involved. Further, changes in index market capitalization that occur as a result of corporate event implementation will be offset by a corresponding change in the Variable Weighting Factor (VWF) of the constituent.

Additionally, if the frequency of Index Reviews in the Parent Index is greater than the frequency of Index Reviews in the Indexes, the changes made to the Parent Index during intermediate Index Reviews will be neutralized in the Indexes.

The following section briefly describes the treatment of common corporate events within the Indexes.

No new securities will be added (except where noted below) to the Index between Index Reviews. Parent Index deletions will be reflected simultaneously.

**EVENT TYPE**

**EVENT DETAILS**

**New additions to the Parent Index**

A new security added to the Parent Index (such as IPO and other early inclusions), will be added to the index at an estimated full market capitalization adjustment factor on the date of security inclusion.

**Spin-Offs**

All securities created as a result of the spin-off of an existing index constituent will be added to the Index at the time of event implementation. Reevaluation for continued inclusion in the Index will occur at the subsequent Index Review.

---

See section 4 for details of data sourced from MSCI Solutions used in the Indexes.

**Merger/Acquisition**

For Mergers and Acquisitions, the acquirer’s post event weight will account for the proportionate amount of shares involved in deal consideration, while cash proceeds will be invested across the index.

If an existing Index constituent is acquired by a non-Index constituent, the existing constituent will be deleted from the index and the acquiring non-constituent will not be added to the index.

**Changes in Security Characteristics**

A security will continue to be an index constituent if there are changes in characteristics (country, sector, size segment, etc.). Reevaluation for continued inclusion in the index will occur at the subsequent Index Review.

Further detail and illustration regarding specific treatment of corporate events relevant to this Index can be found in the MSCI Corporate Events Methodology book.

The MSCI Corporate Events methodology book is available at:  
<https://www.msci.com/index/methodology/latest/CE>

## 4. MSCI Solutions

The Indexes are products of MSCI Inc. that utilize information such as company ratings and research produced and provided by MSCI Solutions LLC (MSCI Solutions), a subsidiary of MSCI Inc. In particular, the Indexes use the following MSCI sustainability and climate products: MSCI Controversies, MSCI Business Involvement Screening Research and MSCI Climate Change Metrics. MSCI Indexes are administered by MSCI Limited and MSCI Deutschland GmbH.

### 4.1 MSCI Controversies

MSCI Controversies provide assessments of controversies concerning the potential negative environmental, social, and/or governance impact of company operations, products and services. The evaluation framework used in MSCI Controversies is designed to be consistent with international norms represented by the UN Declaration of Human Rights, the ILO Declaration on Fundamental Principles and Rights at Work, and the UN Global Compact. MSCI Controversies Score falls on a 0-10 scale, with “0” being the most severe controversy.

The MSCI Controversies methodology can be found at:  
[.https://www.msci.com/legal/disclosures/esg-disclosures](https://www.msci.com/legal/disclosures/esg-disclosures)

### 4.2 MSCI Business Involvement Screening Research

MSCI Business Involvement Screening Research (BISR) aims to enable institutional investors to manage environmental, social and governance (ESG) standards and restrictions reliably and efficiently.

For more details on MSCI Business Involvement Screening Research, please refer to: ...  
<https://www.msci.com/legal/disclosures/esg-disclosures>

### 4.3 MSCI Climate Change Metrics

MSCI Climate Change Metrics provide climate data & tools to support institutional investors seeking to integrate climate risk & opportunities into their investment strategy and processes. This includes investors seeking to achieve a range of objectives, including measuring and reporting on climate risk exposure, implementing low carbon and fossil fuel-free strategies, alignment with temperature pathways and factoring climate change research into their risk management processes, in particular through climate scenario analysis for both transition and physical risks.

The dataset spans across the four dimensions of a climate strategy: transition risks, green opportunities, physical risks and 1.5° alignment.

For more details on MSCI Climate Change Metrics, please refer to:  
<https://www.msci.com/legal/disclosures/climate-disclosures>

#### 4.3.1 Fossil Fuels and Power Generation Metrics

MSCI Solutions identifies companies involved in fossil fuel-related assets and activities including fossil fuel reserves, resource extraction, power generation and generation capacity, revenue from such assets and activities and capital investments in such assets and activities. The metrics are

based on disclosed activities, disclosed revenue and estimates of revenue that are extrapolated from company disclosures and eligible third-party sources (such as NGOs).

#### 4.3.2 Greenhouse Gas (GHG) Emissions

MSCI Solutions collects reported emissions and uses proprietary estimation methodologies that follows the GHG Protocol in including carbon dioxide (CO<sub>2</sub>) and the five other principal GHGs: hydrofluorocarbons (HFCs), methane (CH<sub>4</sub>), nitrous oxide (N<sub>2</sub>O), perfluorocarbons (PFCs), and sulfur hexafluoride (SF<sub>6</sub>). Emissions of these other gases are accounted for in terms of the quantity of CO<sub>2</sub> that has an equivalent global warming potential.

## Appendix I: Business Involvement Screening Criteria

- **Controversial Weapons**
  - All companies with any tie to Controversial Weapons (cluster munitions, landmines, depleted uranium weapons, biological/chemical weapons, blinding lasers, nondetectable fragments and incendiary weapons), as defined by the methodology of the MSCI Global Ex-Controversial Weapons Indexes available at <https://www.msci.com/index/methodology/latest/XCW>
- **Aggregate Weapons**
  - All companies deriving 5% or more aggregate revenue from weapons systems, components, and support systems and services.
- **Civilian Firearms**
  - All companies deriving 5% or more revenue from the manufacture and retail of civilian firearms and ammunition.
- **Nuclear Weapons**
  - Companies that produce essential intended or dual-use components for nuclear weapons and nuclear weapon delivery systems.
  - Companies that produce nuclear warheads, missiles, and delivery platforms capable of deploying nuclear weapons.
- **Tobacco**
  - All companies that manufacture tobacco products which include cigars, blunts, cigarettes, e-cigarettes, inhalers, kreteks, smokeless tobacco, snuff, snus, dissolvable and chewing tobacco. This also includes companies that grow or process raw tobacco leaves.
  - All companies deriving 5% or more revenue from the distribution of tobacco products.
  - All companies deriving 5% or more revenue from the retail sales of tobacco products.
  - All companies deriving 5% or more revenue from supplying products essential to the tobacco industry.
- **Governance**

In the MSCI Emerging Markets Climate Series A Index and the Emerging Markets region within the MSCI AC Asia ex Japan Climate Series A Index, Companies are evaluated based on three distinct rules. A company failing in any one of these rules is ineligible for inclusion in the Indexes

**Rule 1** - Companies will be excluded from the index if they meet all of the following four criteria:

- Companies with individual holdings of 30% or more of the voting rights<sup>6</sup>
- Companies with less than half of independence on the board<sup>7</sup>

<sup>6</sup> Companies with missing data on the percentage holdings of the dominant shareholder will be considered as 0%.

<sup>7</sup> Companies with missing data on the percentage of independent members on the board / remuneration committee / audit committee, will be treated as “not independent”.

- Companies which do not have an audit committee or have less than half of independence on their audit committee<sup>7</sup>
- Companies which do not have a remuneration committee or have less than half of independence on their remuneration committee<sup>7</sup>

**Rule 2** - Companies without an Unqualified auditors opinion<sup>8</sup> will be excluded from the index

**Rule 3** - Companies that are state owned entities, with either 85% or more of the voting rights held by the largest shareholder, or have a MSCI Human Rights Controversy Score of less than 5, and belong to countries<sup>9</sup> that meet all of the following four criteria, are excluded from the index.

- Countries identified by Freedom House as having weak civil liberties in its Freedom in the World report.
- Countries identified by Freedom House as having weak political rights in its Freedom in the World report.
- Sovereign entities identified by 'Reporters Without Borders' as not good or satisfactory in its World Press Freedom Index.
- Countries on the U.S. Commission on International Religious Freedom's list of Tier 1 Countries of Particular Concern.

- **For Profit Prisons**

- Companies that derive 5% or more of their total annual revenues (either reported or estimated) from activities related to For Profit Prisons.

- **Adult Entertainment**

- All companies deriving 5% or more revenue from the production, distribution or retail of adult entertainment products or services

- **Gambling**

- All companies deriving 5% or more revenue from gambling operations, including online or mobile gambling, and supporting activities.

- **Unconventional Oil & Gas (including Arctic Oil)**

- Companies that derive 50% or more revenue from oil sands, oil shale (kerogen-rich deposits) shale gas, shale oil, coal seam gas, and coal bed methane, or derive 50% or more revenue from Arctic oil production.

- **Oil & Gas Value Chain**

- All companies deriving 10% or more aggregate revenue from oil and gas related activities, including distribution / retail, equipment and services, extraction and production, pipelines and transportation and refining but excluding biofuel production and sales and trading activities.

---

<sup>8</sup> Companies with missing data on the auditor's opinion will be excluded from the Index.

<sup>9</sup> As defined by MSCI's Country of Classification framework.

**Power Generation**

- All companies deriving 50% or more aggregate revenue from thermal coal-based power generation, liquid fuel-based power generation and natural gas-based power generation<sup>10</sup>

**Thermal Coal Distribution**

- All companies with evidence of thermal coal distribution or transport involvement. This includes transport of thermal coal by road, rail, shipping or air, and physical trading of thermal coal. It does not include involvement in storage of thermal coal, or involvement in metallurgical coal-related activities.

---

<sup>10</sup> As [https://www.ipcc.ch/site/assets/uploads/2018/02/ipcc\\_wg3\\_ar5\\_chapter7.pdf](https://www.ipcc.ch/site/assets/uploads/2018/02/ipcc_wg3_ar5_chapter7.pdf), thermal coal based power generation, liquid fuel based power generation and natural gas based power generation have median lifecycle emissions exceeding 100gCO2/kWh.

## Appendix II: Calculation of Target Metrics

### Greenhouse Gas (GHG) Emissions Intensity

MSCI Solutions collects company-specific direct (Scope 1) and indirect (Scope 2) greenhouse gas emissions (GHG) data from company public documents and/or the Carbon Disclosure Project. If a company does not report GHG emissions, then MSCI Solutions estimates Scope 1 and Scope 2 GHG emissions.

### Calculation of GHG Intensity

Carbon emissions of a company are normalized for size by dividing annual carbon emissions by annual sales of the company. The Carbon Emissions Intensity is calculated using the latest Scope 1+2 carbon emissions and Sales of a company.

Security Level GHG Intensity (Scope 1+2) =

$$\frac{(\text{Scope 1 + 2 Carbon Emissions})}{\text{Sales (in M\$)}}$$

### Estimation of missing Carbon Intensity data

For a security, if Scope 1+2 carbon emissions are not available but Sales are available, MSCI estimates emissions by multiplying the Sales of the security with the average Sales intensity (i.e., Scope 1+2 emissions / Sales) of all constituents of MSCI ACWI in the same GICS Industry Group that have both Scope 1+2 Emissions and Sales available.

If Sales are not available for a security but Scope 1+2 emissions are available, MSCI estimates Sales by dividing the security's Scope 1+2 emissions by the average Sales intensity (i.e., Scope 1+2 emissions / Sales) of all constituents of MSCI ACWI in the same GICS Industry group that have both Scope 1+2 emissions and Sales available.

In case both Scope 1+2 emissions and Sales are not available for a security:

- The Sales are estimated by dividing the security's Issuer market capitalization by the average Issuer market capitalization to Sales ratio of all constituents of MSCI ACWI in the same GICS Industry Group that have Sales available.
- The emissions are estimated by multiplying the estimated Sales of the security by the average Sales intensity (i.e., Scope 1+2 emissions / Sales) of all constituents of MSCI ACWI in the same GICS Industry group that have both Scope 1+2 emissions and Sales available.

In case there are no securities in the GICS Industry Group with relevant data available for the estimation, then the estimation is applied at the level of the corresponding GICS Sector.

For a security, if Sales is zero, the emissions intensity will be set to zero.

## Appendix III: Methodology Set

The Indexes are governed by a set of methodology and policy documents (“Methodology Set”), including the present index methodology document as mentioned below:

- Description of methodology set – <https://www.msci.com/index/methodology/latest/ReadMe>
- MSCI Corporate Events Methodology – <https://www.msci.com/index/methodology/latest/CE>
- MSCI Fundamental Data Methodology – <https://www.msci.com/index/methodology/latest/FundData>
- MSCI Index Calculation Methodology – <https://www.msci.com/index/methodology/latest/IndexCalc>
- MSCI Index Glossary of Terms – <https://www.msci.com/index/methodology/latest/IndexGlossary>
- MSCI Index Policies – <https://www.msci.com/index/methodology/latest/IndexPolicy>
- MSCI Global Industry Classification Standard (GICS) Methodology – <https://www.msci.com/index/methodology/latest/GICS>
- MSCI Global Investable Market Indexes Methodology – <https://www.msci.com/index/methodology/latest/GIMI>
- MSCI Global ex Controversial Weapons Indexes Methodology – <https://www.msci.com/index/methodology/latest/XCW>
- ESG Factors In Methodology\*

The Methodology Set for the Indexes can also be accessed from MSCI’s webpage <https://www.msci.com/index-methodology> in the section ‘Search Methodology by Index Name or Index Code’.

\* ‘ESG Factors in Methodology’ contains the list of environmental, social, and governance factors considered, and how they are applied in the methodology (e.g., selection, weighting or exclusion). It can be accessed in the Methodology Set as described above.

## Appendix IV: Changes to this Document

### The following sections have been modified as of August 2019 -

Section 3.1: Added MSCI Emerging Markets Custom ESG Climate Series A Index with Parent Index as MSCI Emerging Markets Index.

Section 3.2.1: Added screen for Controversies for Emerging Markets region

Appendix I: Update to include the Governance screens specific to the MSCI Emerging Markets Custom ESG Climate Series A Index.

### The following sections have been modified as of October 2021 –

Section 3.1: Added MSCI AC Asia Ex Japan Custom ESG Climate Series A Index with Parent Index as MSCI AC Asia Ex Japan Index.

### The following sections have been modified as of November 2021 –

Section 3: Update to include the enhancements to the controversial business involvement screening criteria.

Appendix I: Update to include the definitions of the enhancements in the controversial business involvement screens

### The following sections have been modified as of May 2022 –

Section 3.3.2: Update to reflect enhanced Fossil Fuel Screening Criteria for Arctic oil

### The following sections have been modified as of August 2023 –

Section 2.2.1: Clarified the exclusion criteria for companies involved in Controversies.

Section 2.3.2: Clarified the exclusion criteria for Thermal Coal.

Section 4: Moved section after the Section 3 and updated the descriptions of MSCI sustainability and climate products.

Appendix I: Clarified the exclusion criteria for the ‘Tobacco’ screen.

### The following sections have been modified as of February 2024:

Appendix I: Business Involvement Screening Criteria

- Screens descriptions were clarified.

Appendix II: Methodology Set

- Added details on the Methodology Set for the Index.

### The following sections have been modified as of November 2024

Section 2.2.2 Controversial Business Involvement Criteria

- Added the new screening criteria for Adult Entertainment and Gambling.

### 2.3.1 Carbon Emission Exclusions

- Removed Nuclear Power Screens

### 2.3.2 Ownership of Fossil Fuels

- Updated threshold from 5% to 1% for the mining of thermal coal
- Added a new screen for Unconventional oil & gas (including Arctic oil) extraction

### 2.5 Weighting of Securities in the Final Index

- New section added

### 2.6 Treatment of Unrated Companies

- Added the treatment of companies when controversies, business involvement screening research or climate change metrics research not available from MSCI Solutions

### Section 4: MSCI Solutions

- Updated section to add details on Climate Change products

### Appendix I: Business Involvement Screening Criteria

- Updated description for Nuclear Weapons exclusion
- Added new footnotes and the Governance description for rule number three has been updated from 'Freedom House' to 'Reporters Without Borders'.
- Added details for new screening criteria for Adult Entertainment and Gambling

### Appendix II: Calculation of Target Metrics

- New appendix added to provide clarification in the Carbon Emissions Intensity Exclusion Criteria

### **The following sections have been modified as of February 2025**

- The methodology and index names were updated. Effective March 3, 2025, the MSCI Global Custom ESG Climate Series A Indexes will be renamed to MSCI Climate Series A Indexes.

### Section 2.2.2 Controversial Business Involvement Criteria

- Added new screening criteria for oil & gas and power generation

### Section 2.3.2 Fossil Fuel Screens

- Renamed this section from ownership of fossil fuel to fossil fuel screens.
- Updated the Thermal Coal Power Generation threshold from 30% to 10% and the Thermal Coal Mining from 5% to 1%.

### Section 4.3: MSCI Climate Change Metrics



- Added sub-sections under Climate Change Metrics to provide additional details on Fossil Fuels related activities and Greenhouse Gas Emissions.

#### Appendix I: Business Involvement Screening Criteria

- Moved description for unconventional oil & gas to this appendix
- Added description for the new screening criteria for oil and gas and power generation

#### **The following sections have been modified as of May 2025**

##### Section 2.2.2: Controversial Business Involvements Criteria

- Added new screening criteria for thermal coal distribution.

#### Appendix I: Business Involvements Screening Criteria

- Updated exclusion criteria to add thermal coal distribution screen.

## Contact Us

### 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](http://www.msci.com).  
[msci.com/contact-us](http://msci.com/contact-us)

The process for submitting a formal index complaint can be found on the index regulation page of MSCI's website at: <https://www.msci.com/index-regulation>.

### AMERICA

United States	+ 1 888 588 4567 *
Canada	+ 1 416 687 6270
Brazil	+ 55 11 4040 7830
Mexico	+ 52 81 1253 4020

### EUROPE, MIDDLE EAST & AFRICA

South Africa	+ 27 21 673 0103
Germany	+ 49 69 133 859 00
Switzerland	+ 41 22 817 9777
United Kingdom	+ 44 20 7618 2222
Italy	+ 39 02 5849 0415
France	+ 33 17 6769 810

### EUROPE, MIDDLE EAST & AFRICA

China	+ 86 21 61326611
Hong Kong	+ 852 2844 9333
India	+ 91 22 6784 9160
Malaysia	1800818185 *
South Korea	+ 82 70 4769 4231
Singapore	+ 65 67011177
Australia	+ 612 9033 9333
Taiwan	008 0112 7513 *
Thailand	0018 0015 6207 7181
Japan	*
* toll-free	+ 81 3 4579 0333

## Notice and disclaimer

The data, data feeds, databases, reports, text, graphs, charts, images, videos, recordings, models, metrics, analytics, indexes, ratings, scores, cases, estimates, assessments, software, websites, products, services and other information and materials contained herein or delivered in connection with this notice (collectively, the "Information") are copyrighted, trade secrets (when not publicly available), trademarks and proprietary property of MSCI Inc. or its subsidiaries (collectively, "MSCI"), MSCI's licensors, direct or indirect suppliers and authorized sources, and/or any third party contributing to the Information (collectively, with MSCI, the "Information Providers"). All rights in the Information are reserved by MSCI and its Information Providers and user(s) shall not, nor assist others to, challenge or assert any rights in the Information.

Unless you contact MSCI and receive its prior written permission, you must NOT use the Information, directly or indirectly, in whole or in part (i) for commercial purposes, (ii) in a manner that competes with MSCI or impacts its ability to commercialize the Information or its services, (iii) to provide a service to a third party, (iv) to permit a third party to directly or indirectly access, use or resell the Information, (v) to redistribute or resell the Information in any form, (vi) to include the Information in any materials for public dissemination such as fund factsheets, market presentations, prospectuses, and investor information documents (e.g. KIID or KIDs), (vii) to create or as a component of any financial products, whether listed or traded over the counter or on a private placement basis or otherwise, (viii) to create any indexes, ratings or other data products, including in derivative works combined with other indexes or data or as a policy, product or performance benchmarks for active, passive or other financial products, (ix) to populate a database, or (x) to train, use as an input to, or otherwise in connection with any artificial intelligence, machine learning, large language models or similar technologies except as licensed and expressly authorized under MSCI's AI Contracting Supplement at <https://www.msci.com/legal/supplemental-terms-for-client-use-of-artificial-intelligence>.

The intellectual property rights of MSCI and its Information Providers may not be misappropriated or used in a competitive manner through the use of third-party data or financial products linked to the Information, including by using an MSCI index-linked future or option in a competing third-party index to provide an exposure to the underlying MSCI index or by using an MSCI index-linked ETF to create a financial product that provides an exposure to the underlying MSCI index without obtaining a license from MSCI.

The user or recipient of the Information assumes the entire risk of any use it may make, permit or cause 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 ANY IMPLIED WARRANTIES OF ORIGINALITY, ACCURACY, TIMELINESS, SUITABILITY, 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 MSCI or any other Information Provider have any liability arising out of or relating to any of the Information, including 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 be by applicable law be excluded or limited.

The Information, including index construction, ratings, historical data, or analysis, is not a prediction or guarantee of future performance, and must not be relied upon as such. Past performance is not indicative of future results. The Information may contain back tested data. Back-tested performance based on back-tested data 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. The Information may include "Signals," defined as quantitative attributes or the product of methods or formulas that describe or are derived from calculations using historical data. Signals are inherently backward-looking because of their use of historical data, and they are inherently inaccurate, not intended to predict the future and must not be relied upon as such. The relevance, correlations and accuracy of Signals frequently change materially over time.

The Information may include data relating to indicative prices, evaluated pricing or other information based on estimates or evaluations (collectively, "Evaluations") that are not current and do not reflect real-time traded prices. No evaluation method, including those used by the Information Providers, may consistently generate evaluations or estimates that correspond to actual "traded" prices of any relevant securities or other assets. Evaluations are subject to change at any time without notice and without any duty to update or inform you, may not reflect prices at which actual transactions or collateral calls may occur or have occurred. The market price of securities, financial instruments, and other assets can be determined only if and when executed in the market. There may be no, or may not have been any, secondary trading market for the relevant securities, financial instruments or other assets. Private capital, equity, credit and other assets and their prices may be assessed infrequently, may not be priced on a secondary market, and shall not be relied upon as an explicit or implicit valuation of a particular instrument. Any reliance on fair value estimates and non-market inputs introduces potential biases and subjectivity. Internal Rate of Return metrics are not fully representative without full disclosure of fund cash flows, assumptions, and time horizons.

The Information does not constitute, and must not be relied upon as, investment advice, credit ratings, or proxy advisory or voting services. None of the Information Providers, their products or services, are fiduciaries or make any recommendation, endorsement, or approval of any investment decision or asset allocation. Likewise, the Information does not represent an offer to sell, a solicitation to buy, or an endorsement of any security, financial product, instrument, investment vehicle, or trading strategy, whether or not linked to or in any way based on any MSCI index, rating, subcomponent, or other Information (collectively, "Linked Investments"). The Information should not be relied on and is not a substitute for the skill, judgment and experience of any user when making investment and other business decisions. MSCI is not responsible for any user's compliance with applicable laws and regulations. All Information is impersonal, not tailored to the needs of any person, entity or group of persons, not objectively verifiable in every respect, and may not be based on information that is important to any user.

It is not possible to invest 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 makes no assurance that any Linked Investments will accurately track index performance or provide positive investment returns. Index returns do not represent results of actual trading of investible assets/securities. MSCI maintains and calculates indexes but does not manage assets. The calculation of indexes and index returns may deviate from the stated methodology. Index returns do not reflect payment of any sales charges or fees an investor may pay to purchase securities underlying the index or Linked Investments. The imposition of these fees and charges would cause the performance of a Linked Investment to be different than the MSCI index performance.

Information provided by MSCI Solutions LLC and certain related entities ("MSCI Solutions"), including materials utilized in MSCI sustainability and climate products, have not been submitted to, nor received approval from any regulatory body. MSCI sustainability and climate offerings, research and data are produced by, and ratings are solely the opinion of MSCI Solutions. MSCI India Domestic ESG Ratings are produced by MSCI ESG Ratings and Research Private Limited and offered domestically in India. Other MSCI products and services may utilize information from MSCI Solutions, Barra LLC or other affiliates. More information can be found in the relevant methodologies on [www.msci.com](http://www.msci.com). MSCI Indexes are administered by MSCI Limited (UK) and MSCI Deutschland GmbH. No regulated use of any MSCI private real assets indexes in any jurisdiction is permitted without MSCI's express written authorization. The process for applying for MSCI's express written authorization can be found at: <https://www.msci.com/index-regulation>.

MSCI receives compensation in connection with licensing its indexes and other Information to third parties. MSCI Inc.'s revenue includes fees based on assets in Linked Investments. Information can be found in MSCI Inc.'s company filings on the Investor Relations section of [msci.com](http://msci.com). Issuers mentioned in MSCI Solutions materials or their affiliates may purchase research or other products or services from one or more MSCI affiliates, manage financial products such as mutual funds or ETFs rated by MSCI Solutions or its affiliates or are based on MSCI Indexes. 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. Constituents in MSCI Inc. equity indexes may include MSCI Inc., clients of MSCI or suppliers to MSCI. MSCI Solutions has taken steps to mitigate potential conflicts of interest and safeguard the integrity and independence of its research and ratings.

**MIFID2/MIFIR notice:** MSCI Solutions 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 product or service supports, promotes or is intended to support or promote any such activity. MSCI Solutions is an independent provider of sustainability and climate data. All use of indicative prices for carbon credits must comply with any rules specified by MSCI. All transactions in carbon credits must be traded "over-the-counter" (i.e. not on a regulated market, trading venue or platform that performs a similar function to a trading venue) and result in physical delivery of the carbon credits.

You may not remove, alter, or obscure any attribution to MSCI or notices or disclaimers that apply to the Information. MSCI, Barra, RiskMetrics, 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 S&P Dow Jones Indices. "Global Industry Classification Standard (GICS)" is a service mark of MSCI and S&P Dow Jones Indices. Terms such as including, includes, for example, such as and similar terms used herein are without limitation.

MSCI and its Information Providers may use automated technologies and artificial intelligence to help generate content and output incorporated in the Information.

**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>. For copyright infringement claims contact us at [dmc@msci.com](mailto:dmc@msci.com). This notice is governed by the laws of the State of New York without regard to conflict of laws principles.