

# **S&P ESG Index Series** *Methodology*

May 2021

# Table of Contents

Introduction	3
<b>Index Objective</b>	<b>3</b>
<b>Highlights</b>	<b>3</b>
<b>Supporting Documents</b>	<b>3</b>
Eligibility Criteria	5
<b>Index Universe</b>	<b>5</b>
<b>Multiple Classes of Stock</b>	<b>6</b>
<b>Exclusions Based on Business Activities</b>	<b>7</b>
<b>Exclusions Based on the United Nations Global Compact</b>	<b>7</b>
<b>Controversies: Media and Stakeholder Analysis Overlay</b>	<b>8</b>
<b>Exclusions Based on S&amp;P DJI ESG Score</b>	<b>8</b>
Index Construction	10
<b>Constituent Selection</b>	<b>10</b>
<b>Constituent Weighting</b>	<b>10</b>
<b>Index Calculations</b>	<b>10</b>
Index Maintenance	11
<b>Rebalancing</b>	<b>11</b>
<b>Ongoing Maintenance</b>	<b>11</b>
<b>Quarterly Updates</b>	<b>11</b>
<b>Additions and Deletions</b>	<b>11</b>
<b>Corporate Actions</b>	<b>11</b>
<b>Currency of Calculation and Additional Index Return Series</b>	<b>11</b>
<b>Base Dates and History Availability</b>	<b>12</b>
Index Data	13
<b>Calculation Return Types</b>	<b>13</b>
Index Governance	14
<b>Index Committee</b>	<b>14</b>

Index Policy	15
<b>Announcements</b>	<b>15</b>
<b>Pro-forma Files</b>	<b>15</b>
<b>Holiday Schedule</b>	<b>15</b>
<b>Rebalancing</b>	<b>15</b>
<b>Unexpected Exchange Closures</b>	<b>15</b>
<b>Recalculation Policy</b>	<b>15</b>
<b>Contact Information</b>	<b>15</b>
Index Dissemination	16
<b>Tickers</b>	<b>16</b>
<b>Index Data</b>	<b>17</b>
<b>S&amp;P DJI ESG Data</b>	<b>17</b>
<b>Website</b>	<b>17</b>
Appendix I	18
<b>SAM Industries</b>	<b>18</b>
Appendix II	21
<b>Indices in this Methodology Employing Backward Data Assumption</b>	<b>21</b>
<b>Backward Data Assumption</b>	<b>21</b>
<b>Designated Datasets Subject to Backward Data Assumption</b>	<b>21</b>
<b>Exclusions Based on Missing Coverage</b>	<b>21</b>
<b>Historical Coverage Assessment per Designated Dataset</b>	<b>22</b>
Appendix III	24
<b>Methodology Changes</b>	<b>24</b>
Disclaimer	25
<b>Performance Disclosure/Back-Tested Data</b>	<b>25</b>
<b>Intellectual Property Notices/Disclaimer</b>	<b>26</b>

# Introduction

## Index Objective

The S&P ESG Indices are designed to be broad-based indices that measure the performance of securities from an underlying index that meet the sustainability criteria as defined in *Eligibility Criteria*, while maintaining similar overall industry group weights as their underlying indices. ESG stands for Environmental, Social, and Governance.

The indices are float-adjusted market capitalization (FMC) weighted, with the S&P South Africa Domestic Shareholder Weighted (DSW) Capped ESG Index constituents' single constituent weights capped at 10%, and target 75% of the FMC of each Global Industry Classification Standard (GICS®) Industry Group within the relevant underlying index, using an S&P DJI ESG score as the defining characteristic. The indices also apply exclusions based on companies' involvement in specific business activities, performance against the principles of United Nations' Global Compact, and involvement in relevant ESG controversies.

*For more information on S&P DJI ESG Scores, please refer to the S&P DJI ESG Scores Methodology.*

## Highlights

The indices use S&P DJI ESG Scores to select constituents. SAM (part of S&P Global) calculates these scores and derives them from their 'Corporate Sustainability Assessment' (CSA). A company's CSA score is derived using either company-provided data, publicly available information, or a combination thereof.

For the purposes of CSA assessment, companies are assigned to one of the industries defined by SAM and their assessment is conducted using that industry's CSA questionnaire, which is largely specific to each industry. SAM uses GICS as its starting point for determining industry classification. At the industry group and sector levels, the SAM Industries match the standard GICS classifications, but some non-standard aggregations are done at the industry level.

*Please see Appendix I for GICS-SAM industry mapping.*

*For more information on the CSA, please refer to <https://www.spglobal.com/esg/csa/indices/>.*

## Supporting Documents

This methodology is meant to be read in conjunction with supporting documents providing greater detail with respect to the policies, procedures and calculations described herein. References throughout the methodology direct the reader to the relevant supporting document for further information on a specific topic. The list of the main supplemental documents for this methodology and the hyperlinks to those documents is as follows:

Supporting Document	URL
S&P Dow Jones Indices' Equity Indices Policies & Practices Methodology	<a href="#">Equity Indices Policies &amp; Practices</a>
S&P Dow Jones Indices' Index Mathematics Methodology	<a href="#">Index Mathematics Methodology</a>
S&P Dow Jones Indices' Float Adjustment Methodology	<a href="#">Float Adjustment Methodology</a>
S&P Dow Jones Indices' Global Industry Classification Standard (GICS) Methodology	<a href="#">GICS Methodology</a>
S&P DJI ESG Score Methodology	<a href="#">S&amp;P DJI ESG Score Methodology</a>

The methodology is created by S&P Dow Jones Indices (S&P DJI) to achieve the aforementioned objective of measuring the underlying interest of each index governed by this methodology document. Any changes to or deviations from this methodology are made in the sole judgment and discretion of S&P Dow Jones Indices so that the index continues to achieve its objective.

# Eligibility Criteria

## Index Universe

At each annual rebalancing, the following indices are constructed from an Eligible Universe consisting of the constituents of an underlying index, as defined below:

S&P ESG Index	Underlying Index
S&P 500 ESG Index	S&P 500
S&P MidCap 400 ESG Index	S&P MidCap 400
S&P SmallCap 600 ESG Index	S&P SmallCap 600
S&P Europe 350 ESG Index	S&P Europe 350
S&P/ASX 200 ESG Index	S&P/ASX 200
S&P Japan 500 ESG Index	S&P Japan 500
S&P Global 1200 ESG Index <sup>1</sup>	S&P Global 1200
S&P United States LargeMidCap ESG Index	S&P United States LargeMidCap
S&P Canada LargeMidCap ESG Index	S&P Canada LargeMidCap
S&P Europe Developed LargeMidCap ESG Index	S&P Europe LargeMidCap
S&P Mid-East and Africa Developed LargeMidCap ESG Index	S&P Mid-East and Africa Developed LargeMidCap
S&P Asia Pacific Developed LargeMidCap ESG Index	S&P Asia Pacific LargeMidCap
S&P Europe Emerging LargeMidCap ESG Index	S&P European Emerging LargeMidCap
S&P Latin America Emerging LargeMidCap ESG Index	S&P Latin America LargeMidCap
S&P Mid-East and Africa Emerging LargeMidCap ESG Index	S&P Mid-East and Africa Emerging LargeMidCap
S&P Asia Pacific Emerging LargeMidCap ESG Index	S&P Asia Pacific Emerging LargeMidCap
S&P Asia Pacific Developed ex Korea LargeMidCap ESG Index	S&P Asia Pacific ex Korea LargeMidCap
S&P Asia Pacific Emerging Plus LargeMidCap ESG Index	S&P Asia Pacific Emerging Plus LargeMidCap
S&P Korea LargeMidCap ESG Index	S&P Korea LargeMidCap
S&P South Africa Domestic Shareholder Weighted (DSW) Capped ESG Index	S&P South Africa Domestic Shareholder Weighted (DSW) Capped
S&P Asia Pacific Developed ex-Australia & New Zealand LargeMidCap ESG Index	S&P Asia Pacific Developed ex-Australia & New Zealand LargeMidCap Index

For information on the underlying index, please refer to S&P Dow Jones Indices' S&P U.S. Indices Methodology, available at [www.spdji.com](http://www.spdji.com).

<sup>1</sup> The S&P Global 1200 ESG Index is comprised of an aggregation of seven regional component indices, which make up the S&P Global 1200.

At each annual rebalancing, the following indices are constructed from an Eligible Universe consisting of the constituents of component ESG indices, as defined below:

<b>S&amp;P ESG Index</b>	<b>Component Indices</b>
S&P Composite 1500 ESG Index	S&P 500 ESG Index S&P MidCap 400 ESG Index S&P SmallCap 600 ESG Index
S&P North America LargeMidCap ESG Index	S&P United States LargeMidCap ESG Index S&P Canada LargeMidCap ESG Index
S&P Developed LargeMidCap ESG Index	S&P Europe Developed LargeMidCap ESG Index S&P North America LargeMidCap ESG Index S&P Mid-East and Africa Developed LargeMidCap ESG Index S&P Asia Pacific Developed LargeMidCap ESG Index
S&P Emerging LargeMidCap ESG Index	S&P Europe Emerging LargeMidCap ESG Index S&P Latin America Emerging LargeMidCap ESG Index S&P Mid-East and Africa Emerging LargeMidCap ESG Index S&P Asia Pacific Emerging LargeMidCap ESG Index
S&P Global LargeMidCap ESG Index	S&P Europe Developed LargeMidCap ESG Index S&P Mid-East and Africa Developed LargeMidCap ESG Index S&P North America LargeMidCap ESG Index S&P Asia Pacific Developed LargeMidCap ESG Index S&P Europe Emerging LargeMidCap ESG Index S&P Latin America Emerging LargeMidCap ESG Index S&P Mid-East and Africa Emerging LargeMidCap ESG Index S&P Asia Pacific Emerging LargeMidCap ESG Index
S&P Developed ex-Korea LargeMidCap ESG Index	S&P Europe Developed LargeMidCap ESG Index S&P North America LargeMidCap ESG Index S&P Mid-East and Africa Developed LargeMidCap ESG Index S&P Asia Pacific Developed ex Korea LargeMidCap ESG Index
S&P Emerging Plus LargeMidCap ESG Index	S&P Europe Emerging LargeMidCap ESG Index S&P Latin America Emerging LargeMidCap ESG Index S&P Mid-East and Africa Emerging LargeMidCap ESG Index S&P Asia Pacific Emerging Plus LargeMidCap ESG Index
S&P Global ex-Australia & New Zealand LargeMidCap ESG Index	S&P Europe Developed LargeMidCap ESG Index S&P Mid-East and Africa Developed LargeMidCap ESG Index S&P North America LargeMidCap ESG Index S&P Asia Pacific Developed ex-Australia & New Zealand LargeMidCap ESG Index S&P Europe Emerging LargeMidCap ESG Index S&P Latin America Emerging LargeMidCap ESG Index S&P Mid-East and Africa Emerging LargeMidCap ESG Index S&P Asia Pacific Emerging LargeMidCap ESG Index
S&P Developed ex-North America & Korea LargeMidCap ESG Index	S&P Europe Developed LargeMidCap ESG Index S&P Mid-East and Africa Developed LargeMidCap ESG Index S&P Asia Pacific Developed ex Korea LargeMidCap ESG Index

### **Multiple Classes of Stock**

All publicly listed multiple share class lines are eligible for index inclusion, subject to meeting the eligibility criteria. For more information regarding the treatment of multiple share classes, please refer to Approach A within the Multiple Share Classes section of the S&P Dow Jones Indices' Equity Indices Policies & Practices Methodology.

## Exclusions Based on Business Activities<sup>2</sup>

As of each rebalancing reference date, companies with the following specific business activities, as determined by Sustainalytics, are excluded from the eligible universe:

Sustainalytics Category of Involvement	Sustainalytics Category of Involvement Description	Sustainalytics Involvement Proxy	S&P DJI Level of Involvement Threshold
Controversial Weapons: Tailor Made and Essential	The company is involved in the core weapon system, or components/services of the core weapon system that are considered tailor-made and essential for the lethal use of the weapon.	NA	>0%
Controversial Weapons: Significant Ownership (Tailor Made and Essential)	The company is involved (as above), through corporate ownership.		≥25% Ownership of Company <sup>3</sup>
Thermal Coal: Extraction	The company extracts thermal coal.	Revenue	≥5%
Thermal Coal: Power Generation	The company generates electricity from thermal coal.		≥5%
Tobacco Products: Production	The company manufactures tobacco products.	Revenue	>0%
Tobacco Products: Related Products/Services	The company supplies tobacco-related products/services.		≥10%
Tobacco Products: Retail	The company derives revenues from the distribution and/or retail sale of tobacco products.		≥10%
Tobacco Products: Significant ownership (production)	The company owns 10-50 per cent of another company with involvement in manufacturing tobacco products.		≥25%
Tobacco Products: Significant ownership (related products/services)	The company owns 10-50 per cent of another company with involvement in supplying tobacco-related products/services.		≥25%
Tobacco Products: Significant ownership (retail)	The company owns 10-50 per cent of another company with involvement in the distribution and/or retail sale of tobacco products.		≥25%

S&P DJI Level of Involvement refers to the company's direct exposure to such products, while Significant Ownership indicates where the company has indirect involvement via some specified level of ownership of a subsidiary company with involvement.

Please refer to <http://www.sustainalytics.com/> for more information.

## Exclusions Based on the United Nations Global Compact

As of each rebalancing reference date, companies with disqualifying Arabesque GC Scores, which are based on UNGC principles, are excluded from the eligible universe

- Arabesque's S-Ray™ universe is used to assess very poor performers in relation to the United Nations Global Compact Principles.
- The global S-Ray™ universe is ranked according to GC Score. All companies at or below the bottom 5% of the GC score universe globally are ineligible.
- The reference date for S-Ray™ GC scores is the last business day of March.

<sup>2</sup> Prior to March 2012 EIRIS data was used for exclusions based on business activities for all indices except the S&P MidCap 400 ESG Index and S&P SmallCap 600 ESG Index.

<sup>3</sup> Prior to January 2019 Sustainalytics did not collect data on the corporate ownership indicator, so index history before that date does not reflect the impact of the indicator. The indicator, along with the other categories of involvement indicators, is applied at each rebalancing from January 2019 onwards.



UNGC information is provided by Arabesque S-Ray®, a global sustainability data provider. S-Ray combines big data on company-reported information, daily news and NGO campaigns in a quantitative algorithmic approach for the calculation of the UNGC score, which is based on the normative principles of the UN Global Compact: Human Rights, Labor Rights, the Environment and Anti-Corruption.

Please refer to <https://arabesque.com/s-ray/> for more information.

Companies without Sustainalytics coverage or an Arabesque score are ineligible for index inclusion until they receive such coverage or score. With the exception of the S&P MidCap 400 ESG & S&P SmallCap 600 ESG indices, exclusions due to lack of coverage by Arabesque, EIRIS or Sustainalytics were not applied to any index prior to the index launch date.

### **Controversies: Media and Stakeholder Analysis Overlay**

In addition to the above, SAM uses RepRisk, a leading provider of business intelligence on environmental, social, and governance risks, for daily filtering, screening, and analysis of controversies related to companies within the indices.

In cases where risks are presented, SAM releases a Media and Stakeholder Analysis (MSA) which includes a range of issues such as economic crime and corruption, fraud, illegal commercial practices, human rights issues, labor disputes, workplace safety, catastrophic accidents, and environmental disasters.

The Index Committee will review constituents that have been flagged by SAM's MSA to evaluate the potential impact of controversial company activities on the composition of the indices. In the event that the Index Committee decides to remove a company in question, that company would not be eligible for re-entry into the index for one full calendar year, beginning with the subsequent rebalancing.

For more information on RepRisk, please refer to [www.reprisk.com](http://www.reprisk.com). This service is not considered a direct contribution to the index construction process.

### **Exclusions Based on S&P DJI ESG Score**

If a company does not have an S&P DJI ESG score it is excluded from the indices.

Except for the S&P MidCap 400 ESG and S&P SmallCap 600 ESG indices, companies with an S&P DJI ESG score that falls within the worst 25% of ESG scores from each global GICS Industry Group are excluded from the indices. The global universe for this categorization is defined as the combined constituents of the S&P Global LargeMidCap and S&P Global 1200 as of the rebalancing reference date.

For the S&P MidCap 400 ESG and S&P SmallCap 600 ESG indices, a company is excluded, based on S&P DJI ESG score, if either of the following is satisfied:

1. S&P DJI ESG Score falls within the worst 25% of scores from the company's GICS industry group in the underlying index.
2. S&P DJI ESG Score falls within the worst 10% of scores in the company's underlying index.
3. If after Steps 1 and 2 less than 75% of the weight of the underlying index remain eligible, the above steps are relaxed in the following order:
  - a. S&P DJI ESG score falls within the worst 20% of scores from the company's GICS industry group in the underlying index.  
If after this relaxation the 75% target is still not met, then Step 1 is further relaxed as follows:
  - b. S&P DJI ESG Score falls within the worst 15% of scores from the company's GICS industry group in the underlying index.  
If at this point the target is still not met, no further relaxation is performed, even if the 75% target is not satisfied.

The S&P Composite 1500 ESG Index combines the exclusions criteria for the S&P 500 ESG, S&P MidCap 400 ESG, and S&P SmallCap 600 ESG indices, applied as outlined above at the respective component index level.

# Index Construction

## Constituent Selection

The selection of index constituents from the Eligible Universe is done as follows:

1. For each GICS Industry Group, companies are selected in decreasing order of S&P DJI ESG Score until 65% of the underlying index universe's cumulative FMC is reached.
2. For each GICS Industry Group, existing constituents ranked between 65% and 85% of a GICS industry group's cumulative FMC are selected to get as close as possible to the target 75% of FMC.
3. If the combined FMC of selected companies is not above the 75% FMC target, companies not already selected from the Eligible Universe may be added, in decreasing order by S&P DJI ESG Score, to get as close as possible to the 75% FMC target. This process ends when the addition of the next eligible company would result in the total FMC of the relevant GICS Industry Group moving further away from the 75% FMC target.

## Constituent Weighting

Except for the S&P South Africa Domestic Shareholder Weighted (DSW) Capped ESG Index, index constituents are FMC weighted.

S&P South Africa Domestic Shareholder Weighted (DSW) Capped ESG Index constituents are FMC weighted, subject to a single stock weight cap of 10% calculated using closing prices seven business days prior to the rebalancing effective date as the reference price.

## Index Calculations

The indices are calculated by means of the divisor methodology used in all S&P Dow Jones Indices' equity indices.

*For more information on the index calculation methodology, please refer to the Market Capitalization Weighted Indices and Capped Market Capitalization Weighted Indices sections, respectively, of S&P Dow Jones Indices' Index Mathematics Methodology.*

# Index Maintenance

## Rebalancing

The indices rebalance annually, effective after the close of the last business day of April. The rebalancing reference date is the last trading day of March. The reference universe for the indices is the composition of the underlying index, or component indices, at the open of the upcoming rebalancing effective date.

## Ongoing Maintenance

Index constituents are drawn from the underlying index or component indices. Specific changes to index constituents, such as share changes, Investable Weight Factor (IWF) changes, dividend distributions, and price adjustments, follow the policies of the underlying index.

*For more information on Share Updates, Float Adjustment, and IWFs, please refer to S&P Dow Jones Indices' Equity Indices Policies & Practices Methodology and S&P Dow Jones Indices' Float Adjustment Methodology.*

The indices are reviewed on an ongoing basis to account for corporate events such as mergers, takeovers, delistings, suspensions, spin-offs/demergers, or bankruptcies. Changes to index composition and related weight adjustments are made as soon as they are effective. These changes are typically announced prior to the implementation date.

## Quarterly Updates

Changes to a constituent's shares and IWF as a result of the quarterly updates are effective after the close on the third Friday in March, June, September, and December.

## Additions and Deletions

**Additions.** Except for spin-offs, no stocks are added to the indices between rebalancings. Spinoffs are added to all indices where the parent security is a constituent at a zero price at the market close of the day before the ex-date (with no divisor adjustment) and are removed after at least one day of regular way trading (with a divisor adjustment).

**Deletions.** If a stock is dropped from an underlying index, it is also removed from the respective index simultaneously. Between rebalancings, a stock can be deleted from an index due to corporate events such as mergers, takeovers, delistings, suspensions, spin-offs/demergers, or bankruptcies.

In addition, at the discretion of the Index Committee, a deletion may occur if an MSA is raised.

## Corporate Actions

For more information on Corporate Actions, please refer to the S&P Dow Jones Indices' Equity Indices Policies & Practices Methodology.

## Currency of Calculation and Additional Index Return Series

The indices are calculated in U.S. dollars and the respective currency for the regional indices.

WM/Refinitiv foreign exchange rates are taken daily at 04:00 PM London Time and used in the end-of-day calculation of all indices except for the S&P/ASX 200 ESG Index (AUD) and S&P Korea

LargeMidCap ESG Index (KRW). These mid-market fixings are calculated by The WM Company based on Refinitiv data and appear on Refinitiv pages WMRA.

For the S&P/ASX 200 ESG Index (AUD) and S&P Korea LargeMidCap ESG Index (KRW), index closing values are calculated using spot exchange rates taken daily at 4:17 PM Sydney time as supplied by Refinitiv.

In addition to the indices detailed in this methodology, additional return series versions of the indices may be available, including, but not limited to: currency, currency hedged, decrement, fair value, inverse, leveraged, and risk control versions. For a list of available indices, please refer to the [S&P DJI Methodology & Regulatory Status Database](#).

For information on various index calculations, please refer to S&P Dow Jones Indices' Index Mathematics Methodology.

For the inputs necessary to calculate certain types of indices, including decrement, dynamic hedged, fair value, and risk control indices, please refer to the Parameters documents available at [www.spdji.com](http://www.spdji.com).

### Base Dates and History Availability

Index history availability, base dates, and base values are shown in the table below.

Index	Launch Date	First Value Date	Base Date	Base Value
S&P 500 ESG Index	01/28/2019	04/29/2005	04/30/2010	100
S&P Europe 350 ESG Index	05/06/2019	04/30/2010	04/30/2010	100
S&P/ASX 200 ESG Index	05/06/2019	04/30/2010	04/30/2010	100
S&P/ASX 200 ESG Index (AUD)	07/06/2020	04/30/2010	04/30/2010	100
S&P Japan 500 ESG Index	05/06/2019	04/30/2010	04/30/2010	100
S&P Global 1200 ESG Index	05/06/2019	04/30/2010	04/30/2010	100
S&P United States LargeMidCap ESG Index	05/06/2019	04/30/2010	04/30/2010	100
S&P Canada LargeMidCap ESG Index	05/06/2019	04/30/2010	04/30/2010	100
S&P North America LargeMidCap ESG Index	05/06/2019	04/30/2010	04/30/2010	100
S&P Europe Developed LargeMidCap ESG Index	05/06/2019	04/30/2010	04/30/2010	100
S&P Mid-East and Africa Developed LargeMidCap ESG Index	05/06/2019	04/30/2010	04/30/2010	100
S&P Asia Pacific Developed Large Mid ESG Index	05/06/2019	04/30/2010	04/30/2010	100
S&P Developed LargeMidCap ESG Index	05/06/2019	04/30/2010	04/30/2010	100
S&P Europe Emerging LargeMidCap ESG Index	05/06/2019	04/30/2010	04/30/2010	100
S&P Latin America Emerging LargeMidCap ESG Index	05/06/2019	04/30/2010	04/30/2010	100
S&P Mid-East and Africa Emerging LargeMidCap ESG Index	05/06/2019	04/30/2010	04/30/2010	100
S&P Asia Pacific Emerging LargeMidCap ESG Index	05/06/2019	04/30/2010	04/30/2010	100
S&P Emerging LargeMidCap ESG Index	05/06/2019	04/30/2010	04/30/2010	100
S&P Global LargeMidCap ESG Index	05/06/2019	04/30/2010	04/30/2010	100
S&P Asia Pacific Developed ex Korea ESG Index	05/06/2019	04/30/2010	04/30/2010	100
S&P Asia Pacific Emerging Plus LargeMidCap ESG Index	05/06/2019	04/30/2010	04/30/2010	100
S&P Developed BMI ex Korea LargeMidCap ESG Index	05/06/2019	04/30/2010	04/30/2010	100
S&P Emerging Plus LargeMidCap ESG Index	05/06/2019	04/30/2010	04/30/2010	100
S&P Korea LargeMidCap ESG Index	05/06/2019	04/30/2010	04/30/2010	100
S&P Korea LargeMidCap ESG Index (KRW)	05/11/2021	04/30/2010	04/30/2010	100
S&P South Africa Domestic Shareholder Weighted (DSW) Capped ESG Index	05/06/2019	04/30/2010	04/30/2010	100
S&P Developed ex-North America & Korea LargeMidCap ESG Index	06/24/2019	04/30/2010	04/30/2010	100
S&P Global ex-Australia & New Zealand LargeMidCap ESG Index	09/30/2019	04/30/2010	04/30/2010	100
S&P Asia Pacific Developed ex-Australia & New Zealand LargeMidCap ESG Index	09/30/2019	04/30/2010	04/30/2010	100
S&P MidCap 400 ESG Index	01/11/2021	04/30/2010	04/30/2010	100
S&P SmallCap 600 ESG Index	01/11/2021	04/30/2010	04/30/2010	100
S&P Composite 1500 ESG Index	01/11/2021	04/30/2010	04/30/2010	100

# Index Data

## Calculation Return Types

S&P Dow Jones Indices calculates multiple return types which vary based on the treatment of regular cash dividends. The classification of regular cash dividends is determined by S&P Dow Jones Indices.

- Price Return (PR) versions are calculated without adjustments for regular cash dividends.
- Gross Total Return (TR) versions reinvest regular cash dividends at the close on the ex-date without consideration for withholding taxes.
- Net Total Return (NTR) versions, if available, reinvest regular cash dividends at the close on the ex-date after the deduction of applicable withholding taxes.

In the event there are no regular cash dividends on the ex-date, the daily performance of all three indices will be identical.

For a complete list of indices available, please refer to the daily index levels file (“.SDL”).

*For more information on the classification of regular versus special cash dividends as well as the tax rates used in the calculation of net return, please refer to S&P Dow Jones Indices’ Equity Indices Policies & Practices Methodology.*

*For more information on the calculation of return types, please refer to S&P Dow Jones Indices’ Index Mathematics Methodology.*

# Index Governance

## **Index Committee**

An S&P Dow Jones Indices' Index Committee maintains the indices. The Index Committee meets regularly. At each meeting, the Index Committee reviews pending corporate actions that may affect index constituents, statistics comparing the composition of the index to the market, companies that are being considered as candidates for addition to the index, and any significant market events. In addition, the Index Committee may revise index policy covering rules for selecting companies, treatment of dividends, share counts or other matters.

S&P Dow Jones Indices considers information about changes to its indices and related matters to be potentially market moving and material. Therefore, all Index Committee discussions are confidential.

S&P Dow Jones Indices' Index Committees reserve the right to make exceptions when applying the methodology if the need arises. In any scenario where the treatment differs from the general rules stated in this document or supplemental documents, clients will receive sufficient notice, whenever possible.

In addition to the daily governance of indices and maintenance of index methodologies, at least once within any 12-month period, the Index Committee reviews the methodology to ensure the indices continue to achieve the stated objectives, and that the data and methodology remain effective. In certain instances, S&P Dow Jones Indices may publish a consultation inviting comments from external parties.

*For information on Quality Assurance and Internal Reviews of Methodology, please refer to S&P Dow Jones Indices' Equity Indices Policies & Practices Methodology.*

# Index Policy

## Announcements

All index constituents are evaluated daily for data needed to calculate index levels and returns. All events affecting the daily index calculation are typically announced in advance via the Index Corporate Events report (.SDE), delivered daily to all clients. Any unusual treatment of a corporate action or short notice of an event may be communicated via email to clients.

Press releases are posted on our Web site, [www.spdji.com](http://www.spdji.com), and are released to major news services.

## Pro-forma Files

In addition to the corporate events file (.SDE), S&P Dow Jones Indices provides constituent pro-forma files each time the indices rebalance. The pro-forma file is typically provided daily in advance of the rebalancing date and contains all constituents and their corresponding weights and index shares effective for the upcoming rebalancing.

*Please visit [www.spdji.com](http://www.spdji.com) for a complete schedule of rebalancing timelines and pro-forma delivery times.*

## Holiday Schedule

The S&P ESG Indices are calculated daily, throughout the calendar year. The only days an index is not calculated are on days when all exchanges where an index's constituents are listed are officially closed or if WM/Refinitiv exchange rates services are not published.

A complete holiday schedule for the year is available at [www.spdji.com](http://www.spdji.com).

## Rebalancing

The Index Committee may change the date of a given rebalancing for reasons including market holidays occurring on or around the scheduled rebalancing date. Any such change will be announced with proper advance notice where possible.

## Unexpected Exchange Closures

For information on Unexpected Exchange Closures, please refer to S&P Dow Jones Indices' Equity Indices Policies & Practices Methodology.

## Recalculation Policy

For information on the recalculation policy, please refer to S&P Dow Jones Indices' Equity Indices Policies & Practices Methodology.

*For information on Calculations and Pricing Disruptions, Expert Judgment and Data Hierarchy, please refer to S&P Dow Jones Indices' Equity Indices Policies & Practices Methodology.*

## Contact Information

For any questions regarding an index, please contact: [index\\_services@spglobal.com](mailto:index_services@spglobal.com).



# Index Dissemination

Index levels are available through S&P Dow Jones Indices' Web site at [www.spdji.com](http://www.spdji.com), major quote vendors (see codes below), numerous investment-oriented Web sites, and various print and electronic media.

## Tickers

The table below lists headline indices covered by this document. All versions of the below indices that may exist are also covered by this document. Please refer to the [S&P DJI Methodology & Regulatory Status Database](#) for a complete list of indices covered by this document.

Index	Return Type	Bloomberg
S&P 500 ESG Index (USD)	Price Return Total Return Net Total Return	SPXESUP SPXESUT SPXESUN
S&P MidCap 400 ESG Index (USD)	Price Return Total Return Net Total Return	SPMESUP SPMESUT SPMESUN
S&P SmallCap 600 ESG Index (USD)	Price Return Total Return Net Total Return	SPSESUP SPSESUT SPSESUN
S&P Composite 1500 ESG Index (USD)	Price Return Total Return Net Total Return	SPRESUP SPRESUT SPRESUN
S&P Europe 350 ESG Index (USD)	Price Return Total Return Net Total Return	SPEESUP SPEESUT SPEESUN
S&P/ASX 200 ESG Index (USD)	Price Return Total Return Net Total Return	SPAESGUP SPAESGUT SPAESGUN
S&P ASX 200 ESG Index (AUD)	Price Return Total Return Net Total Return	SPAESAAP SPAESAAT SPAESAAN
S&P Japan 500 ESG Index (USD)	Price Return Total Return Net Total Return	SPJESGUP SPJESGUT SPJESGUN
S&P Global 1200 ESG Index (USD)	Price Return Total Return Net Total Return	SPGESUP SPGESUT SPGESUN
S&P United States LargeMidCap ESG Index (USD)	Total Return	SPUSLMUT
S&P Canada LargeMidCap ESG Index (USD)	Total Return	SPCALMUT
S&P North America LargeMidCap ESG Index (USD)	Total Return	SPNALMUT
S&P Europe Developed LargeMidCap ESG Index (USD)	Total Return	SPEDLMUT
S&P Mid-East and Africa Developed LargeMidCap ESG Index (USD)	Total Return	SPMADLUT
S&P Asia Pacific Developed Large Mid ESG Index (USD)	Total Return	SPAPDLUT
S&P Developed LargeMidCap ESG Index (USD)	Total Return	SPDLMUT
S&P Europe Emerging LargeMidCap ESG Index (USD)	Total Return	SPEELMUT
S&P Latin America Emerging LargeMidCap ESG Index (USD)	Total Return	SPLAELUT
S&P Mid-East and Africa Emerging LargeMidCap ESG Index (USD)	Total Return	SPMAELUT
S&P Asia Pacific Emerging LargeMidCap ESG Index (USD)	Total Return	SPAPELUT
S&P Emerging LargeMidCap ESG Index (USD)	Total Return	SPELMUT
S&P Global LargeMidCap ESG Index (USD)	Total Return	SPLESGUT
S&P Asia Pacific Developed ex Korea ESG Index (USD)	Total Return	SPAD XKUT
S&P Asia Pacific Emerging Plus LargeMidCap Index (USD)	Total Return	SPAEP LUT

Index	Return Type	Bloomberg
S&P Developed BMI ex Korea LargeMidCap ESG Index (USD)	Total Return	SPDXKLUT
S&P Emerging Plus LargeMidCap ESG Index (USD)	Total Return	SPEMPLUT
S&P Korea LargeMidCap ESG Index (USD)	Total Return	SPKLEUT
S&P Korea LargeMidCap ESG Index (KRW)	Price Return Total Return Net Total Return	SPKLEWKP SPKLEWKT SPKLEWKN
S&P South Africa Domestic Shareholder Weighted (DSW) Capped ESG Index (ZAR)	Price Return Total Return Net Total Return	SPSAECZP SPSAECZT SPSAECZN
S&P Developed ex-North America & Korea LargeMidCap ESG Index (USD)	Price Return Total Return Net Total Return	SPDNKLUP SPDNKLUT SPDNKLUN
S&P Global ex-Australia & New Zealand LargeMidCap ESG Index (USD)	Price Return Total Return Net Total Return	SPGAEUP SPGAEUT SPGAEAN
S&P Asia Pacific Developed ex-Australia & New Zealand LargeMidCap ESG Index (USD)	Price Return Total Return Net Total Return	SPAEXEAP SPAEXEAT SPAEXEAN

### Index Data

Daily constituent and index level data are available via subscription.

For product information, please contact S&P Dow Jones Indices, [www.spdji.com/contact-us](http://www.spdji.com/contact-us).

### S&P DJI ESG Data

Company-level ESG scores data are available via subscription.

For product information, please contact S&P Dow Jones Indices, [www.spdji.com/contact-us](http://www.spdji.com/contact-us).

### Website

For further information, please refer to S&P Dow Jones Indices' Web site at [www.spdji.com](http://www.spdji.com).

# Appendix I

## SAM Industries

GICS Sub-Industry	GICS Code	SAM Industry
Auto Parts & Equipment	25101010	ATX Auto Components
Tires & Rubber	25101020	
Automobile Manufacturers	25102010	AUT Automobiles
Motorcycle Manufacturers	25102020	
Home Furnishings	25201020	DHP Household Durables
Household Appliances	25201040	
Housewares & Specialties	25201050	
Homebuilding	25201030	HOM Homebuilding
Consumer Electronics	25201010	LEG Leisure Equipment & Products and Consumer Electronics
Leisure Products	25202010	
Footwear	25203020	TEX Textiles, Apparel & Luxury Goods
Textiles	25203030	
Apparel, Accessories & Luxury Goods	25203010	
Specialized Consumer Services	25302020	CSV Diversified Consumer Services
Education Services	25302010	
Restaurants	25301040	REX Restaurants & Leisure Facilities
Leisure Facilities	25301030	
Hotels, Resorts & Cruise Lines	25301020	TRT Hotels, Resorts & Cruise Lines
Casinos & Gaming	25301010	CNO Casinos & Gaming
Advertising	50201010	PUB Media, Movies & Entertainment
Broadcasting	50201020	
Publishing	50201040	
Cable & Satellite	50201030	
Movies & Entertainment	50202010	
Distributors	25501010	
Internet & Direct Marketing Retail	25502020	
Department Stores	25503010	
General Merchandise Stores	25503020	
Apparel Retail	25504010	
Specialty Stores	25504040	
Automotive Retail	25504050	
Homefurnishing Retail	25504060	
Home Improvement Retail	25504030	
Computer & Electronics Retail	25504020	
Food Retail	30101030	FDR Food & Staples Retailing
Hypermarkets & Super Centers	30101040	
Drug Retail	30101010	
Food Distributors	30101020	BVG Beverages
Brewers	30201010	
Soft Drinks	30201030	
Distillers & Vintners	30201020	FOA Food Products
Agricultural Products	30202010	
Packaged Foods & Meats	30202030	TOB Tobacco
Tobacco	30203010	
Household Products	30301010	HOU Household Products
Personal Products	30302010	COS Personal Products

<b>GICS Sub-Industry</b>	<b>GICS Code</b>	<b>SAM Industry</b>
Oil & Gas Equipment & Services	10101020	OIE Energy Equipment & Services
Oil & Gas Drilling	10101010	
Integrated Oil & Gas	10102010	
Oil & Gas Exploration & Production	10102020	OGX Oil & Gas Upstream & Integrated
Oil & Gas Refining & Marketing	10102030	OGR Oil & Gas Refining & Marketing
Oil & Gas Storage & Transportation	10102040	PIP Oil & Gas Storage & Transportation
Coal & Consumable Fuels	10102050	COL Coal & Consumable Fuels
Regional Banks	40101015	BNK Banks
Diversified Banks	40101010	
Thriffs & Mortgage Finance	40102010	
Diversified Capital Markets	40203030	FBN Diversified Financial Services and Capital Markets
Investment Banking & Brokerage	40203020	
Asset Management & Custody Banks	40203010	
Mortgage REITs	40204010	
Financial Exchanges & Data	40203040	
Consumer Finance	40202010	
Specialized Finance	40201040	
Multi-Sector Holdings	40201030	
Other Diversified Financial Services	40201020	
Reinsurance	40301050	
Multi-line Insurance	40301030	
Property & Casualty Insurance	40301040	
Insurance Brokers	40301010	
Life & Health Insurance	40301020	
Diversified REITs	60101010	REA Real Estate
Industrial REITs	60101020	
Hotel & Resort REITs	60101030	
Office REITs	60101040	
Health Care REITs	60101050	
Residential REITs	60101060	
Retail REITs	60101070	
Specialized REITs	60101080	
Diversified Real Estate Activities	60102010	
Real Estate Operating Companies	60102020	
Real Estate Development	60102030	
Real Estate Services	60102040	
Health Care Supplies	35101020	
Health Care Equipment	35101010	HEA Health Care Providers & Services
Health Care Facilities	35102020	
Health Care Distributors	35102010	
Managed Health Care	35102030	
Health Care Services	35102015	
Health Care Technology	35103010	MTC Health Care Equipment & Supplies
Biotechnology	35201010	BTC Biotechnology
Life Sciences Tools & Services	35203010	LIF Life Sciences Tools & Services
Pharmaceuticals	35202010	DRG Pharmaceuticals
Aerospace & Defense	20101010	ARO Aerospace & Defense
Building Products	20102010	BLD Building Products
Construction & Engineering	20103010	CON Construction & Engineering
Heavy Electrical Equipment	20104020	IEQ Machinery and Electrical Equipment
Electrical Components & Equipment	20104010	ELQ Electrical Components & Equipment
Industrial Conglomerates	20105010	IDD Industrial Conglomerates
Industrial Machinery	20106020	IEQ Machinery and Electrical Equipment
Construction Machinery & Heavy Trucks	20106010	
Agricultural & Farm Machinery	20106015	
Trading Companies & Distributors	20107010	TCD Trading Companies & Distributors

<b>GICS Sub-Industry</b>	<b>GICS Code</b>	<b>SAM Industry</b>
Office Services & Supplies	20201060	ICS Commercial Services & Supplies
Diversified Support Services	20201070	
Commercial Printing	20201010	
Security & Alarm Services	20201080	
Environmental & Facilities Services	20201050	
Research & Consulting Services	20202020	PRO Professional Services
Human Resource & Employment Services	20202010	
Airlines	20302010	AIR Airlines
Air Freight & Logistics	20301010	TRA Transportation and Transportation Infrastructure
Marine	20303010	
Railroads	20304010	
Trucking	20304020	
Airport Services	20305010	
Highways & Railtracks	20305020	
Marine Ports & Services	20305030	
Semiconductors	45301020	SEM Semiconductors & Semiconductor Equipment
Semiconductor Equipment	45301010	
Data Processing & Outsourced Services	45102020	TSV IT services
Internet Services & Infrastructure	45102030	
IT Consulting & Other Services	45102010	
Systems Software	45103020	SOF Software
Application Software	45103010	
Interactive Media & Services	50203010	IMS Interactive Media, Services & Home Entertainment
Interactive Home Entertainment	50202020	
Communications Equipment	45201020	CMT Communications Equipment
Electronic Components	45203015	ITC Electronic Equipment, Instruments & Components
Technology Distributors	45203030	
Electronic Manufacturing Services	45203020	
Electronic Equipment & Instruments	45203010	
Technology Hardware, Storage & Peripherals	45202030	THQ Computers & Peripherals and Office Electronics
Commodity Chemicals	15101010	CHM Chemicals
Specialty Chemicals	15101050	
Fertilizers & Agricultural Chemicals	15101030	
Industrial Gases	15101040	
Diversified Chemicals	15101020	
Construction Materials	15102010	COM Construction Materials
Paper Packaging	15103020	CTR Containers & Packaging
Metal & Glass Containers	15103010	
Gold	15104030	MNX Metals & Mining
Steel	15104050	STL Steel
Aluminum	15104010	ALU Aluminum
Precious Metals & Minerals	15104040	MNX Metals & Mining
Diversified Metals & Mining	15104020	
Copper	15104025	
Silver	15104045	
Paper Products	15105020	FRP Paper & Forest Products
Forest Products	15105010	
Alternative Carriers	50101010	TLS Telecommunication Services
Integrated Telecommunication Services	50101020	
Wireless Telecommunication Services	50102010	
Gas Utilities	55102010	GAS Gas Utilities
Electric Utilities	55101010	ELC Electric Utilities
Independent Power Producers & Energy Traders	55105010	
Renewable Electricity	55105020	
Multi-Utilities	55103010	MUW Multi and Water Utilities
Water Utilities	55104010	

# Appendix II

## Indices in this Methodology Employing Backward Data Assumption

- S&P 500 ESG
- S&P MidCap 400 ESG
- S&P SmallCap 600 ESG

## Backward Data Assumption

The index employs a “Backward Data Assumption” method for some datapoints used in the derivation of historical index membership prior to the Live Data Effective Date (defined below). The “Backward Data Assumption” method involves applying the earliest available actual live data point for an index constituent to all prior, historical instances of that constituent in the index universe.

Backward Data Assumption affects only the historical, hypothetical constituents of any index back-test. Only actual live data is ever used in live index rebalancings and in the historical rebalancing calculation of an index after its Live Data Effective Date.

*For more information on S&P DJI’s principles and processes for using Backward Data Assumption, please refer to the [FAQ](#).*

## Designated Datasets Subject to Backward Data Assumption

The Backward Data Assumption within the historical back-test, with respect to the indices identified above, applies only to designated datasets and associated time horizons as defined below. For each designated dataset, all historical rebalancing events prior to the Live Data Reference Date listed below are subject to use of the Backward Data Assumption.

Data Provider	Designated Dataset	Live Data Reference Date	Live Data Effective Date	Relevant Indices
S&P DJI	S&P DJI ESG Score	03/31/2020	05/01/2020	S&P MidCap 400 ESG and S&P SmallCap 600 ESG
S&P DJI	S&P DJI ESG Score	03/31/2010	05/03/2010	S&P 500 ESG
Sustainalytics	Business Activity Exclusions	03/31/2020	05/01/2020	S&P MidCap 400 ESG and S&P SmallCap 600 ESG
Arabesque	GC Score	03/31/2020	05/01/2020	S&P MidCap 400 ESG and S&P SmallCap 600 ESG
EIRIS	Business Activity Exclusions	03/31/2010	05/03/2010	S&P 500 ESG
Arabesque	GC Score	03/31/2010	05/03/2010	S&P 500 ESG

The Live Data Reference Date refers to the first rebalancing reference date from which only actual live data is used.

The Live Data Effective Date refers to the first date from which index constituents are determined solely on actual live data for each respective dataset.

## Exclusions Based on Missing Coverage

This index excludes companies based on missing coverage with respect to the designated datasets above. However, for rebalancing dates prior to each respective Live Data Reference Date, the eligibility of companies is determined based on the coverage after applying the Backward Data Assumption, and is not dictated by actual live data coverage.

## Historical Coverage Assessment per Designated Dataset

**S&P DJI ESG Score Coverage** (with respect to underlying index universe):

### S&P 500 ESG

Rebalancing Date	Underlying Index Stock Count	Point-in-Time Data		After Using the Data Assumption	
		Stock Count	Index Weight	Stock Count	Index Weight
2005	500	0	0%	358	85.9%
2006	500	0	0%	371	87.1%
2007	500	0	0%	399	90.7%
2008	500	0	0%	422	95.0%
2009	500	0	0%	458	98.3%

### S&P 400 ESG

Rebalancing Date	Underlying Index Stock Count	Point-in-Time Data		After Using the Data Assumption	
		Stock Count	Index Weight	Stock Count	Index Weight
2010	400	141	47.6%	319	85.2%
2011	400	95	34.2%	329	87.2%
2012	400	117	38.6%	335	88.7%
2013	400	151	49.3%	339	90.0%
2014	400	149	45.0%	346	90.2%
2015	400	108	37.1%	355	91.7%
2016	400	156	47.7%	366	93.9%
2017	400	129	42.2%	365	93.1%
2018	400	193	59.3%	380	95.9%
2019	400	183	53.5%	394	98.9%
2020	400	399	99.9%	n/a	n/a

### S&P 600 ESG

Rebalancing Date	Underlying Index Stock Count	Point-in-Time Data		After Using the Data Assumption	
		Stock Count	Index Weight	Stock Count	Index Weight
2010	600	16	5.7%	381	72.1%
2011	600	5	1.5%	394	72.6%
2012	600	16	5.0%	415	76.8%
2013	600	37	11.3%	431	79.5%
2014	600	46	11.7%	448	80.7%
2015	600	7	1.4%	462	83.7%
2016	601	41	11.4%	490	86.8%
2017	601	41	9.8%	526	92.0%
2018	601	130	26.1%	559	95.6%
2019	601	96	24.7%	586	97.6%
2020	601	598	99.8%	n/a	n/a

**Arabesque UNGC Coverage** (with respect to underlying index universe):

### S&P 400 ESG

Rebalancing Date	Underlying Index Stock Count	Point-in-Time Data		After Using the Data Assumption	
		Stock Count	Index Weight	Stock Count	Index Weight
2010	400	289	83.7%	362	93.8%
2011	400	309	87.7%	376	96.9%
2012	400	308	85.4%	382	97.3%
2013	400	306	83.9%	385	97.2%
2014	400	296	79.8%	386	96.9%
2015	400	278	73.9%	388	96.8%
2016	400	378	95.5%	396	99.2%
2017	400	388	96.6%	398	99.3%
2018	400	395	98.9%	399	99.8%
2019	400	392	98.3%	395	98.9%
2020	400	391	98.2%	n/a	n/a

### S&P 600 ESG

Rebalancing Date	Underlying Index Stock Count	Point-in-Time Data Stock Count	Point-in-Time Data Index Weight	After Using the Data Assumption Stock Count	After Using the Data Assumption Index Weight
2010	600	21	7.8%	393	73.7%
2011	600	20	7.5%	411	74.5%
2012	600	16	4.2%	431	76.6%
2013	600	15	3.6%	455	82.0%
2014	600	20	3.3%	483	86.7%
2015	600	26	4.2%	507	91.4%
2016	601	258	62.1%	536	94.4%
2017	601	344	77.9%	563	97.5%
2018	601	575	97.4%	582	97.9%
2019	601	575	97.7%	583	98.5%
2020	601	579	97.4%	n/a	n/a

**Sustainalytics Business Activity Exclusions Coverage** (with respect to underlying index universe):

### S&P 400 ESG

Rebalancing Date	Underlying Index Stock Count	Point-in-Time Data Stock Count	Point-in-Time Data Index Weight	After Using the Data Assumption Stock Count	After Using the Data Assumption Index Weight
2010	400	0	0%	369	94.9%
2011	400	0	0%	379	96.7%
2012	400	0	0%	382	96.7%
2013	400	298	82.0%	387	97.5%
2014	400	290	78.2%	391	97.8%
2015	400	390	97.6%	394	98.5%
2016	400	399	99.5%	399	99.5%
2017	400	400	100%	400	100%
2018	400	400	100%	400	100%
2019	400	400	100%	400	100%
2020	400	400	100%	n/a	n/a

### S&P 600 ESG

Rebalancing Date	Underlying Index Stock Count	Point-in-Time Data Stock Count	Point-in-Time Data Index Weight	After Using the Data Assumption Stock Count	After Using the Data Assumption Index Weight
2010	600	0	0%	459	80.6%
2011	600	0	0%	481	82.4%
2012	600	0	0%	509	86.3%
2013	600	26	5.9%	528	90.0%
2014	600	34	6.8%	552	93.4%
2015	600	569	96.1%	578	97.1%
2016	601	598	100%	601	100%
2017	601	601	100%	601	100%
2018	601	601	100%	601	100%
2019	601	601	100%	601	100%
2020	601	601	100%	n/a	n/a

Coverage for each Sustainalytics Category of Involvement may differ due to the initiation of coverage for each sub-dataset. Actual live data coverage for each sub-dataset is therefore zero before its respective Coverage Initiation Date provided below:

Sustainalytics Category of Involvement	Coverage Initiation Date
Controversial Weapons: Tailor-made and Essential	12/31/2012
Controversial Weapons: Significant ownership (Tailor-made and Essential)	12/31/2018
Thermal Coal: Extraction	12/31/2015
Thermal Coal: Power Generation	12/31/2015
Tobacco: Production	12/31/2012
Tobacco: Related Products/Services	12/31/2012
Tobacco: Retail	12/31/2012
Tobacco: Significant ownership (production)	12/31/2018
Tobacco: Significant ownership (related products/services)	12/31/2018
Tobacco: Significant ownership (retail)	12/31/2018



# Appendix III

## Methodology Changes

Methodology changes since January 28, 2019 are as follows:

<b>Change</b>	<b>Effective Date (After Close)</b>	<b>Previous</b>	<b>Methodology</b>	<b>Updated</b>
Index Eligibility for Companies in Relation to Thermal Coal	09/18/2020 <sup>4</sup>	--		Companies must generate less than 5% of their revenue from thermal coal.

---

<sup>4</sup> This change was implemented via an extraordinary rebalancing, which took effect after the close on September 18, 2020.

# Disclaimer

## Performance Disclosure/Back-Tested Data

S&P Dow Jones Indices defines various dates to assist our clients in providing transparency. The First Value Date is the first day for which there is a calculated value (either live or back-tested) for a given index. The Base Date is the date at which the index is set to a fixed value for calculation purposes. The Launch Date designates the date when the values of an index are first considered live: index values provided for any date or time period prior to the index's Launch Date are considered back-tested. S&P Dow Jones Indices defines the Launch Date as the date by which the values of an index are known to have been released to the public, for example via the company's public website or its data feed to external parties. For Dow Jones-branded indices introduced prior to May 31, 2013, the Launch Date (which prior to May 31, 2013, was termed "Date of introduction") is set at a date upon which no further changes were permitted to be made to the index methodology, but that may have been prior to the Index's public release date.

Please refer to the methodology for the Index for more details about the index, including the manner in which it is rebalanced, the timing of such rebalancing, criteria for additions and deletions, as well as all index calculations.

Information presented prior to an index's launch date is hypothetical back-tested performance, not actual performance, and is based on the index methodology in effect on the launch date. However, when creating back-tested history for periods of market anomalies or other periods that do not reflect the general current market environment, index methodology rules may be relaxed to capture a large enough universe of securities to simulate the target market the index is designed to measure or strategy the index is designed to capture. For example, market capitalization and liquidity thresholds may be reduced. Back-tested performance reflects application of an index methodology and selection of index constituents with the benefit of hindsight and knowledge of factors that may have positively affected its performance, cannot account for all financial risk that may affect results and may be considered to reflect survivor/look ahead bias. Actual returns may differ significantly from, and be lower than, back-tested returns. Past performance is not an indication or guarantee of future results.

Typically, when S&P DJI creates back-tested index data, S&P DJI uses actual historical constituent-level data (e.g., historical price, market capitalization, and corporate action data) in its calculations. As ESG investing is still in early stages of development, certain datapoints used to calculate S&P DJI's ESG indices may not be available for the entire desired period of back-tested history. The same data availability issue could be true for other indices as well. In cases when actual data is not available for all relevant historical periods, S&P DJI may employ a process of using "Backward Data Assumption" (or pulling back) of ESG data for the calculation of back-tested historical performance. "Backward Data Assumption" is a process that applies the earliest actual live data point available for an index constituent company to all prior historical instances in the index performance. For example, Backward Data Assumption inherently assumes that companies currently not involved in a specific business activity (also known as "product involvement") were never involved historically and similarly also assumes that companies currently involved in a specific business activity were involved historically too. The Backward Data Assumption allows the hypothetical back-test to be extended over more historical years than would be feasible using only actual data. For more information on "Backward Data Assumption" please refer to the [FAQ](#). The methodology and factsheets of any index that employs backward assumption in the back-tested history will explicitly state so. The methodology will include an Appendix with a table setting forth the specific data points and relevant time period for which backward projected data was used.

Index returns shown do not represent the results of actual trading of investable assets/securities. S&P Dow Jones Indices maintains the index and calculates the index levels and performance shown or discussed 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 investment funds that are intended to track the performance of the Index. The imposition of these fees and charges would cause actual and back-tested performance of the securities/fund to be lower than the Index performance shown. As a simple example, if an index returned 10% on a US \$100,000 investment for a 12-month period (or US \$10,000) and an actual asset-based fee of 1.5% was imposed at the end of the period on the investment plus accrued interest (or US \$1,650), the net return would be 8.35% (or US \$8,350) for the year. Over a three-year period, an annual 1.5% fee taken at year end with an assumed 10% return per year would result in a cumulative gross return of 33.10%, a total fee of US \$5,375, and a cumulative net return of 27.2% (or US \$27,200).

## **Intellectual Property Notices/Disclaimer**

© 2021 S&P Dow Jones Indices. All rights reserved. S&P, S&P 500, S&P 500 LOW VOLATILITY INDEX, S&P 100, S&P COMPOSITE 1500, S&P 400, S&P MIDCAP 400, S&P 600, S&P SMALLCAP 600, S&P GIVI, GLOBAL TITANS, DIVIDEND ARISTOCRATS, S&P TARGET DATE INDICES, S&P PRISM, S&P STRIDE, GICS, SPIVA, SPDR and INDEXOLOGY are registered trademarks of S&P Global, Inc. (“S&P Global”) or its affiliates. DOW JONES, DJ, DJIA, THE DOW and DOW JONES INDUSTRIAL AVERAGE are registered trademarks of Dow Jones Trademark Holdings LLC (“Dow Jones”). These trademarks together with others have been licensed to S&P Dow Jones Indices LLC. Redistribution or reproduction in whole or in part are prohibited without written permission of S&P Dow Jones Indices LLC. This document does not constitute an offer of services in jurisdictions where S&P Dow Jones Indices LLC, S&P Global, Dow Jones or their respective affiliates (collectively “S&P Dow Jones Indices”) do not have the necessary licenses. Except for certain custom index calculation services, all information provided by S&P Dow Jones Indices is impersonal and not tailored to the needs of any person, entity or group of persons. S&P Dow Jones Indices receives compensation in connection with licensing its indices to third parties and providing custom calculation services. Past performance of an index is not an indication or guarantee of future results.

It is not possible to invest directly in an index. Exposure to an asset class represented by an index may be available through investable instruments based on that index. S&P Dow Jones Indices does not sponsor, endorse, sell, promote or manage any investment fund or other investment vehicle that is offered by third parties and that seeks to provide an investment return based on the performance of any index. S&P Dow Jones Indices makes no assurance that investment products based on the index will accurately track index performance or provide positive investment returns. S&P Dow Jones Indices LLC is not an investment advisor, and S&P Dow Jones Indices makes no representation regarding the advisability of investing in any such investment fund or other investment vehicle. A decision to invest in any such investment fund or other investment vehicle should not be made in reliance on any of the statements set forth in this document. Prospective investors are advised to make an investment in any such fund or other vehicle only after carefully considering the risks associated with investing in such funds, as detailed in an offering memorandum or similar document that is prepared by or on behalf of the issuer of the investment fund or other investment product or vehicle. S&P Dow Jones Indices LLC is not a tax advisor. A tax advisor should be consulted to evaluate the impact of any tax-exempt securities on portfolios and the tax consequences of making any particular investment decision. Inclusion of a security within an index is not a recommendation by S&P Dow Jones Indices to buy, sell, or hold such security, nor is it considered to be investment advice.

These materials have been prepared solely for informational purposes based upon information generally available to the public and from sources believed to be reliable. No content contained in these materials (including index data, ratings, credit-related analyses and data, research, valuations, model, software or other application or output therefrom) or any part thereof (“Content”) may be modified, reverse-engineered, reproduced or distributed in any form or by any means, or stored in a database or retrieval system, without the prior written permission of S&P Dow Jones Indices. The Content shall not be used for any unlawful or unauthorized purposes. S&P Dow Jones Indices and its third-party data providers and licensors (collectively “S&P Dow Jones Indices Parties”) do not guarantee the accuracy, completeness, timeliness or availability of the Content. S&P Dow Jones Indices Parties are not responsible for any errors or omissions, regardless of the cause, for the results obtained from the use of the Content. THE CONTENT IS PROVIDED ON AN “AS IS” BASIS. S&P DOW JONES INDICES PARTIES DISCLAIM

ANY AND ALL EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR USE, FREEDOM FROM BUGS, SOFTWARE ERRORS OR DEFECTS, THAT THE CONTENT'S FUNCTIONING WILL BE UNINTERRUPTED OR THAT THE CONTENT WILL OPERATE WITH ANY SOFTWARE OR HARDWARE CONFIGURATION. In no event shall S&P Dow Jones Indices Parties be liable to any party for any direct, indirect, incidental, exemplary, compensatory, punitive, special or consequential damages, costs, expenses, legal fees, or losses (including, without limitation, lost income or lost profits and opportunity costs) in connection with any use of the Content even if advised of the possibility of such damages.

S&P Global keeps certain activities of its various divisions and business units separate from each other in order to preserve the independence and objectivity of their respective activities. As a result, certain divisions and business units of S&P Global may have information that is not available to other business units. S&P Global has established policies and procedures to maintain the confidentiality of certain non-public information received in connection with each analytical process.

In addition, S&P Dow Jones Indices provides a wide range of services to, or relating to, many organizations, including issuers of securities, investment advisers, broker-dealers, investment banks, other financial institutions and financial intermediaries, and accordingly may receive fees or other economic benefits from those organizations, including organizations whose securities or services they may recommend, rate, include in model portfolios, evaluate or otherwise address.

The Global Industry Classification Standard (GICS<sup>®</sup>) was developed by and is the exclusive property and a trademark of S&P and MSCI. Neither MSCI, S&P nor any other party involved in making or compiling any GICS classifications makes any express or implied warranties or representations with respect to such standard or classification (or the results to be obtained by the use thereof), and all such parties hereby expressly disclaim all warranties of originality, accuracy, completeness, merchantability or fitness for a particular purpose with respect to any of such standard or classification. Without limiting any of the foregoing, in no event shall MSCI, S&P, any of their affiliates or any third party involved in making or compiling any GICS classifications have any liability for any direct, indirect, special, punitive, consequential or any other damages (including lost profits) even if notified of the possibility of such damages.