

S&P Brazil Dividend Indices *Methodology*

August 2023

Table of Contents

Introduction	3
Index Objective	3
Index Family	3
Supporting Documents	3
Eligibility Criteria	4
Index Universe	4
Selection Universe	4
Stability Criteria	4
Dividend Payment Types	4
Multiple Share Classes	5
Index Construction	6
S&P Dividend Aristocrats Brasil Index	6
S&P Brazil Dividend Opportunities Index	7
Index Maintenance	8
Index Calculations	8
Rebalancing	8
Monthly Dividend Review	8
Additions and Deletions	9
Corporate Actions	9
Currency of Calculation and Additional Index Return Series	9
Base Date and History Availability	9
Index Data	10
Calculation Return Types	10
Index Governance	11
Index Committee	11
Index Policy	12
Announcements	12
Pro-forma Files	12
Holiday Schedule	12
Rebalancing	12
Unexpected Exchange Closures	12
Recalculation Policy	12
Contact Information	12

Index Dissemination	13
Tickers	13
Index Data	13
Web site	13
Appendix I	14
Methodology Changes	14
Appendix II	17
ESG Disclosures	17
Disclaimer	18
Performance Disclosure/Back-Tested Data	18
Intellectual Property Notices/Disclaimer	19

Introduction

Index Objective

The S&P Brazil Dividend Indices measure the performance of stocks domiciled in Brazil with increasing dividends or high dividend yields.

Index Family

S&P Dividend Aristocrats Brazil Index. The index is designed to measure the performance of 30 stocks in the S&P Brazil BMI which maintain increasing or stable dividends. These are determined using a rolling three-year moving average to smooth year-to-year fluctuations in the dividend per share amount that otherwise might contribute to index turnover or distort the dividend distribution pattern of Brazilian companies. Constituents are weighted by trailing 12-month dividend yield, subject to a single constituent weight cap of 8% and a single Global Industry Classification Standard (GICS®) Sector cap of 35%.

S&P Brazil Dividend Opportunities Index. The index is designed to measure the performance of 40 of the highest yielding stocks in the S&P Brazil BMI. Constituents are weighted by trailing 12-month dividend yield, subject to the following constraints: individual constituents' minimum weights must be at least 2% and cannot exceed a single stock maximum weight cap of 8%, and each GICS Sector's weight is capped at 40%.

For information on the S&P Brazil BMI, please refer to the S&P Global BMI, S&P/IFCI Index Methodology at www.spglobal.com/spdji.

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	Equity Indices Policies & Practices
S&P Dow Jones Indices' Index Mathematics Methodology	Index Mathematics Methodology
S&P Dow Jones Indices' Float Adjustment Methodology	Float Adjustment Methodology
S&P Dow Jones Indices' Global Industry Classification Standard (GICS) Methodology	GICS Methodology

This methodology was created by S&P Dow Jones Indices 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

To qualify for membership in any of the S&P Brazil Dividend Indices, a stock must first be a constituent of the S&P Brazil BMI as of the rebalancing reference date.

Selection Universe

Market Capitalization. Stocks must have a float-adjusted market capitalization (FMC) of at least US \$250 million as of the rebalancing reference date. In addition, for the S&P Brazil Dividend Opportunities Index, current index constituents with a float-adjusted market capitalization of at least US\$ 200 million remain eligible.

Liquidity. Stocks must have a three-month average daily value traded (ADVT) of at least US\$ 1 million as of the rebalancing reference date. In addition, for the S&P Brazil Dividend Opportunities Index, current index constituents with a three-month ADVT of at least US\$ 0.8 million remain eligible.

Dividend Yield. Stocks must have a dividend yield as of the rebalancing date. The dividend yield is calculated using the dividend per share paid over the trailing 12-month divided by the price, as of the rebalancing reference date. Companies are excluded if they eliminate their latest scheduled dividend payment or cancel their subsequent scheduled dividend.

Stability Criteria

- **S&P Dividend Aristocrats Brasil Index**
 - **Dividend Stability.** The rolling three year moving average computed over the past five years of dividend payments must be stable or increasing. Regular dividend payments as well as interest on capital are considered. The total dividend amount considered is based on a trailing year basis.
- **S&P Brazil Dividend Opportunities Index**
 - **Profitability.** Stocks must be profitable, as measured by positive earnings-per-share (EPS) before extraordinary items, over the latest 12-month period as of the rebalance reference date.
 - **Earnings Growth.** Stocks must have a positive, three-year earnings growth. The earnings-per-share in the most recent year must be greater than the earnings-per-share three years prior. Existing index stocks will only be removed from the index after failing the earnings growth criteria for two consecutive rebalancings.

Dividend Payment Types

S&P Dow Jones Indices only considers cash dividend payments declared as regular by the paying company for index eligibility, selection, and weighting purposes. Cash dividend payments declared as special by the paying company, including recurring special cash dividends, are not considered. For both eligibility and weighting purposes, annualized cash dividend amounts, before withholding tax, are used.

Multiple Share Classes

Each company is represented once by the listing with the highest dividend yield, subject to meeting the eligibility criteria detailed above. In the event multiple lines meet the eligibility criteria and have similar dividend yields, the Designated Listing is selected. For more information regarding the treatment of multiple share classes, please refer to Approach C within the Multiple Share Classes section of the S&P Dow Jones Indices' Equity Indices Policies & Practices Methodology.

Index Construction

S&P Dividend Aristocrats Brasil Index

Constituent Selection. Stocks that pass the index eligibility criteria form the Selection Universe. Stocks are ranked based on their trailing 12-month dividend yield. The top 30 largest stocks form the index.

In order to reduce turnover, the index uses the three year rolling moving average mechanism to smooth out year-over-year fluctuations in dividend payment patterns.

Stock Diversification Criteria. At each rebalancing, the Index has 30 constituents. If the number of eligible constituent stocks is fewer than required, then:

- The minimum float-adjusted market capitalization is lowered to US\$ 150 million from US\$ 250 million. Constituents that satisfy this criterion, as well as all other index eligibility criteria, are added in decreasing order of dividend yield until the constituent count reaches 30.
- If the number of index constituents still does not reach 30, the three-month average daily value traded is lowered to US\$ 500,000 from US\$ 1 million. Constituents that satisfy this criterion, as well as all other index eligibility criteria, are added in decreasing order of dividend yield until the constituent count reaches 30.

Constituent Weightings. The index constituents are weighted by the trailing 12-month dividend yield subject to the following constraints:

1. The weight of each index constituent is capped at 8%.
2. The weight of each GICS Sector is capped at 35%.

For more information on GICS, please refer to S&P Dow Jones Indices' Web site at www.spglobal.com/spdji.

In addition to the annual rebalancing, the index also undergoes a secondary review in October to ensure that the weight criteria are within the constraints of the methodology. If the stocks and/or sectors are outside the parameters mentioned above, the index is reweighted using price data from seven business days prior to the effective date. Such changes are effective after the close of the third Friday of October, with the reference date for the data used in the review being the close of the seventh business day prior to this date.

S&P Brazil Dividend Opportunities Index

Constituent Selection. Stocks that pass the index eligibility criteria form the Selection Universe. Stocks are then ranked based on their 12-month trailing dividend yield and the top 40 highest dividend yielding stocks form the index, subject to the following buffer rules:

1. All stocks ranked in the top 20 (regardless of their current constituent status) are included in the index.
2. Current constituents ranked in the top 50 are selected by rank order until the constituent count reaches 40.
3. If, after this, the count is still less than 40, the highest-ranked non-constituents are added to the index until the target count of 40 is reached.

Stock Diversification Criteria. At each rebalancing, the index has 40 constituents. If the number of eligible constituent stocks is fewer than the required, then:

- The minimum float-adjusted market capitalization is lowered from US\$ 250 million to US\$ 150 million. Those constituent stocks satisfy this criterion, as well as all other index eligibility criteria, are added in decreasing order of dividend yield until the Stock Diversification Criteria are satisfied.
- If the Stock Diversification Criteria is still not satisfied, the three-month median daily value traded is lowered to US\$ 0.5 million from US\$ 1 million. Those constituent stocks that satisfy this criterion, as well as all other index eligibility criteria, are added in decreasing order of dividend yield until the Stock Diversification Criteria is satisfied.

Constituent Weightings. The index constituents are weighted by the trailing 12-month dividend yield, subject to the following constraints:

1. The weight of each index constituent is capped at 8%
2. The minimum weight of each index constituent is 2%.
3. The weight of each GICS Sector is capped at 40%.

Index Maintenance

Index Calculations

Each index is calculated by means of the divisor method used for all S&P Dow Jones' equity indices.

For more information on the index calculation methodology, please refer to the Non-Market Capitalization Weighted Indices section of S&P Dow Jones Indices' Index Mathematics Methodology.

Rebalancing

S&P Dividend Aristocrats Brasil Index. The index rebalances annually, effective after the close of the third Friday day in April. The rebalancing reference date for the data used in the review is the third Friday of March. Index shares are assigned based on prices seven business days prior to the rebalancing.

In addition to the annual rebalancing, the index also undergoes a secondary review in October to ensure that the constituent weighting criteria are being adhered to and that index constituents continue to pay dividends. Any index constituent which has eliminated its most recent dividend is removed. Index constituents removed between annual rebalancings are not replaced. Any changes due to the realignment of constituent weights with the weighting criteria or the removal of stocks no longer eligible for index inclusion become effective after the close of the third Friday of October. If weights require realignment, as of the reference date, the excess weight is redistributed among other stocks based on current constituent weights. The reference date is the last business day of the month prior to the rebalancing month. Since index shares are assigned based on prices seven business days prior to the rebalancing, the actual weight of each stock at the rebalancing will differ from the target weights due to market movements.

S&P Brazil Dividend Opportunities Index. The index fully rebalances semi-annually, effective after the close of the last business day in May and November. The rebalancing reference date for the data used in the reviews is the last business day of April and October.¹

Monthly Dividend Review

S&P Dividend Aristocrats Brasil Index. Index constituents are reviewed on a monthly basis for ongoing eligibility. For more information regarding the monthly dividend review, please refer to Approach B in the Monthly Review for Ongoing Eligibility in Dividend Focused Indices section of S&P Dow Jones Indices' Equity Indices Policies & Practices Methodology.

S&P Brazil Dividend Opportunities Index. Index constituents are reviewed on a monthly basis for ongoing eligibility. For more information regarding the monthly dividend review, please refer to Approach C in the Monthly Review for Ongoing Eligibility in Dividend Focused Indices section of S&P Dow Jones Indices' Equity Indices Policies & Practices Methodology.

¹ For the S&P Brazil Dividend Opportunities Index, rebalancings prior to 2013 were effective after the close of the last business date of April and October. The rebalancing reference dates for the data used in the reviews were the last trading days of March and September, respectively.

Additions and Deletions

Additions. With the exception of spin-offs, no additions are made to the indices between rebalancings. Spin-offs added to an index are retained until the subsequent rebalancing, and re-evaluated for continued inclusion at that time.

Deletions. Index constituents are removed from the index between rebalancings if the stock is impacted by corporate events such as mergers, acquisitions, takeovers, or delisting.

Corporate Actions

For more information on corporate action treatment, please refer to the Non-Market Capitalization Indices Section of S&P Dow Jones Indices' Equity Indices Policies & Practices Methodology.

Currency of Calculation and Additional Index Return Series

The indices calculate in Brazilian reals and U.S. dollars.

In addition to the indices detailed in this methodology, additional return series versions of the indices may be available, including, but not limited to the following: 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 the index calculation, 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.spglobal.com/spdji.

Base Date 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 Dividend Aristocrats Brasil Index	08/01/2012	04/18/2008	04/18/2008	1000
S&P Brazil Dividend Opportunities Index	02/08/2013	04/30/2007	04/30/2007	1000

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. All committee members are full-time professional members of S&P Dow Jones Indices' staff. The committee meets monthly. At each meeting, the Index Committee may review pending corporate actions that may affect index constituents, statistics comparing the composition of the indices to the market, companies that are being considered as candidates for addition to an 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.

For more information, please refer to the Announcements section of S&P Dow Jones Indices' Equity Indices Policies & Practices Methodology.

Pro-forma Files

In addition to the corporate events file (.SDE), S&P Dow Jones Indices provides constituent pro-forma files for each index each time the indices rebalance. The pro-forma file is typically provided daily in advance of the rebalancing date, and it contains all constituents as well as their corresponding weights and index shares effective for the upcoming rebalancing. Since index shares are assigned based on prices prior to the rebalancing effective date, the actual weight of each stock at the rebalancing differs from these weights due to market movements.

Please visit www.spglobal.com/spdji for a complete schedule of rebalancing timelines and pro-forma delivery times.

Holiday Schedule

The indices are calculated all business days of the year when the Brazilian equity market is open.

A complete holiday schedule for the year is available at www.spglobal.com/spdji.

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 questions regarding an index, please contact: index_services@spglobal.com.

Index Dissemination

Index levels are available through S&P Dow Jones Indices' Web site at www.spglobal.com/spdji, 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	RIC
S&P Dividend Aristocrats Brasil Index	Price Return	SPBRDABP	.SPBRDABP
	Total Return	SPBRDABT	--
	Net Total Return	SPBRDABN	--
S&P Dividend Aristocrats Brasil USD	Price Return	SPBRDAUP	.SPBRDAUP
	Total Return	SPBRDAUT	--
	Net Total Return	SPBRDAUN	--
S&P Brazil Dividend Opportunities	Price Return	--	--
	Total Return	--	--
	Net Total Return	--	--
S&P Brazil Dividend Opportunities USD	Price Return	--	--
	Total Return	--	--
	Net Total Return	--	--

Index Data

Daily constituent and index level data are available via subscription.

For product information, please contact S&P Dow Jones Indices, www.spglobal.com/spdji/en/contact-us/.

Web site

For further information, please refer to S&P Dow Jones Indices' Web site at www.spglobal.com/spdji.

Appendix I

Methodology Changes

Methodology changes since January 1, 2015, are as follows:

Change	Effective Date (After Close)	Previous	Methodology Updated
Monthly Dividend Review: S&P Brazil Dividend Opportunities	01/14/2022	S&P Dow Jones Indices reviews index constituents on a monthly basis. If S&P Dow Jones Indices determines that an index constituent has eliminated or suspended its dividend, omitted a payment, or reduced its calendar year dividend amount and its new yield is significantly lower than the lowest yielding constituent and will no longer qualify for the index at the subsequent reconstitution, it will be removed from the index effective prior to the open of the first business day of the following month and not replaced until the following reconstitution. Any changes are announced five business days prior to month-end. The determination of qualifying for the index at the subsequent reconstitution is at the discretion of the Index Committee. The decision to remove an index constituent due to dividend elimination, suspension, omission, or reduction is based on information publicly announced by the company as of seven business days prior to month-end.	Index constituents are reviewed on a monthly basis for ongoing eligibility. For more information regarding the monthly dividend review, please refer to Approach C in the Monthly Review for Ongoing Eligibility in Dividend Focused Indices section of S&P Dow Jones Indices' Equity Indices Policies & Practices Methodology.
Monthly Dividend Review	04/19/2019	<p>S&P Dow Jones Indices reviews index constituents on a monthly basis. If S&P Dow Jones Indices determines an index constituent has eliminated, suspended its dividend or omitted a payment, it will be removed from the index effective prior to the open of the first business day of the following month.</p> <p>In addition, constituent stocks are reviewed on a monthly basis for dividend cuts. Constituent stocks may, at the discretion of the Index Committee, be removed effective prior to the open of the first business day of the following month if the constituent company lowers but does not eliminate its dividend, its new yield is significantly lower than the lowest yielding constituent, and the index committee can determine based on current information that the company will not qualify for inclusion at the next rebalancing.</p> <p>The determination of qualifying for the index at the subsequent annual reconstitution is done at the discretion of the Index Committee. The decision to remove an index constituent due to dividend elimination, suspension, omission, or reduction is based on information publicly announced by the company as of five business days prior to month-end. The index constituents removed as part of the monthly dividend review process are not replaced until the following annual reconstitution.</p>	S&P Dow Jones Indices reviews index constituents on a monthly basis. If S&P Dow Jones Indices determines that an index constituent has eliminated or suspended its dividend, omitted a payment, or reduced its calendar year dividend amount and its new yield is significantly lower than the lowest yielding constituent and will no longer qualify for the index at the subsequent reconstitution, it will be removed from the index effective prior to the open of the first business day of the following month and not replaced until the following reconstitution. Any changes are announced five business days prior to month-end. The determination of qualifying for the index at the subsequent reconstitution is at the discretion of the Index Committee. The decision to remove an index constituent due to dividend elimination, suspension, omission, or reduction is based on information publicly announced by the company as of seven business days prior to month-end.

Change	Effective Date (After Close)	Previous	Methodology Updated
Monthly Dividend Review	07/31/2018	--	<p>S&P Dow Jones Indices reviews index constituents on a monthly basis. If S&P Dow Jones Indices determines an index constituent has eliminated, suspended its dividend or omitted a payment, it will be removed from the index effective prior to the open of the first business day of the following month.</p> <p>In addition, constituent stocks are reviewed on a monthly basis for dividend cuts. Constituent stocks may, at the discretion of the Index Committee, be removed effective prior to the open of the first business day of the following month if the constituent company lowers but does not eliminate its dividend, its new yield is significantly lower than the lowest yielding constituent, and the index committee can determine based on current information that the company will not qualify for inclusion at the next rebalancing.</p> <p>The determination of qualifying for the index at the subsequent annual reconstitution is done at the discretion of the Index Committee. The decision to remove an index constituent due to dividend elimination, suspension, omission, or reduction is based on information publicly announced by the company as of five business days prior to month-end. The index constituents removed as part of the monthly dividend review process are not replaced until the following annual reconstitution.</p>
Consideration of recurring special cash dividends for eligibility, selection, and weighting purposes	04/20/2018	Recurring special cash dividends that S&P Dow Jones Indices considers to be part of the normal payment pattern established by the company are considered regular for eligibility, selection, and weighting purposes.	S&P Dow Jones Indices only considers cash dividend payments declared as regular by the paying company for index eligibility, selection, and weighting purposes. Cash dividend payments declared as special by the paying company, including recurring special cash dividends, are not considered. For both eligibility and weighting purposes, annualized cash dividend amounts, before withholding tax, are used.
S&P Dividend Aristocrats Brasil Index: Rebalancing Reference Date	03/16/2018	The rebalancing reference date is the last business day in March.	The rebalancing reference date is the third Friday of March.
S&P Dividend Aristocrats Brasil Index: Semi-Annual Review	10/13/2017	In addition to the annual rebalancing, the index also undergoes a secondary review to ensure that the weight constraints are still in place. In addition to checking for weight constraints, stocks that have eliminated dividends since the last annual reconstitution are removed. Therefore, this review may result in reweights of the constituents and sectors. If required, these changes are effective after the close of the third Friday day in October, with the reference date for the data used in the review being the close of the seventh business day prior to this date.	<p>If weights require realignment, as of the reference date, the excess weight is redistributed among other stocks based on current constituent weights. The reference date is the last business day of the month prior to the rebalancing month.</p> <p>Since index shares are assigned based on prices seven business days prior to the rebalancing, the actual weight of each stock at the rebalancing will differ from the target weights due to market movements.</p>
S&P Brazil Dividend Opportunities Index: Eligibility Thresholds	05/01/2016	<p>Stocks must have a float-adjusted market capitalization of at least US \$250 million as of the rebalancing reference date.</p> <p>Stocks must have a three-month average daily value traded (ADVT) of at least US\$ 1 million as of the rebalancing reference date.</p>	<p>Stocks must have a float-adjusted market capitalization of at least US \$250 million (US\$ 200 million for current constituents) as of the rebalancing reference date.</p> <p>Stocks must have a three-month average daily value traded (ADVT) of at least US\$ 1 million (US\$ 0.8 million for current constituents) as of the rebalancing reference date.</p>

Change	Effective Date (After Close)	Previous	Methodology Updated
S&P Brazil Dividend Opportunities Index: Constituent Selection	05/01/2016	The top 40 highest dividend yielding stocks form the index. In order to reduce turnover, the index maintains a 10-stock buffer. Securities whose yields have fallen below the 40 th but above the 50 th ranking remain in the index.	The top 40 highest dividend yielding stocks form the index, subject to the following buffer rules: <ul style="list-style-type: none"> • All stocks that are ranked among the top 20 (regardless of their current constituent status) are included in the index. • In order to reduce turnover, all current constituents whose yields have fallen below the 40th but above the 50th ranking remain in the index. If the count is still less than 40, the highest-ranked non-constituents will be added to the index until this count is reached.

Appendix II

ESG Disclosures

EXPLANATION OF HOW ENVIRONMENTAL, SOCIAL & GOVERNANCE (ESG) FACTORS ARE REFLECTED IN THE KEY ELEMENTS OF THE BENCHMARK METHODOLOGY²	
1.	Name of the benchmark administrator. S&P Dow Jones Indices LLC.
2.	Underlying asset class of the ESG benchmark.³ N/A
3.	Name of the S&P Dow Jones Indices benchmark or family of benchmarks. S&P DJI Equity Indices Benchmark Statement
4.	Do any of the indices maintained by this methodology take into account ESG factors? No
Appendix latest update: January 2021	
Appendix first publication: January 2021	

² The information contained in this Appendix is intended to meet the requirements of the European Union Commission Delegated Regulation (EU) 2020/1817 supplementing Regulation (EU) 2016/1011 of the European Parliament and of the Council as regards the minimum content of the explanation of how environmental, social and governance factors are reflected in the benchmark methodology and the retained EU law in the UK [The Benchmarks (amendment and Transitional Provision) (EU Exit) Regulations 2019].

³ The 'underlying assets' are defined in European Union Commission Delegated Regulation (EU) 2020/1816 supplementing Regulation (EU) 2016/1011 of the European Parliament and of the Council as regards the explanation in the benchmark statement of how environmental, social and governance factors are reflected in each benchmark provided and published.

Disclaimer

Performance Disclosure/Back-Tested Data

Where applicable, S&P Dow Jones Indices and its index-related affiliates (“S&P DJI”) 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 DJI 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. In addition, forks have not been factored into the back-test data with respect to the S&P Cryptocurrency Indices. For the S&P Cryptocurrency Top 5 & 10 Equal Weight Indices, the custody element of the methodology was not considered; the back-test history is based on the index constituents that meet the custody element as of the Launch Date. 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 certain 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 DJI maintains the index and calculates the index levels and performance shown or discussed but does not manage any 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

© 2023 S&P Dow Jones Indices. All rights reserved. S&P, S&P 500, SPX, SPY, The 500, US500, US 30, 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, Select Sector, S&P MAESTRO, S&P PRISM, S&P STRIDE, GICS, SPIVA, SPDR, INDEXOLOGY, iTraxx, iBoxx, ABX, ADBI, CDX, CMBX, MBX, MCDX, PRIMEX, HHPI, and SOVX are registered trademarks of S&P Global, Inc. (“S&P Global”) or its affiliates. DOW JONES, DJIA, THE DOW and DOW JONES INDUSTRIAL AVERAGE are 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 DJI does not have the necessary licenses. Except for certain custom index calculation services, all information provided by S&P DJI is impersonal and not tailored to the needs of any person, entity, or group of persons. S&P DJI 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 DJI 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 DJI makes no assurance that investment products based on the index will accurately track index performance or provide positive investment returns. S&P DJI is not an investment advisor, commodity trading advisor, fiduciary, “promoter” (as defined in the Investment Company Act of 1940, as amended) or “expert” as enumerated within 15 U.S.C. § 77k(a), and S&P DJI 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. S&P DJI is not a tax advisor. Inclusion of a security, commodity, crypto currency, or other asset within an index is not a recommendation by S&P DJI to buy, sell, or hold such security, commodity, crypto currency, or other asset, nor is it considered to be investment or trading 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 DJI. The Content shall not be used for any unlawful or unauthorized purposes. S&P DJI 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” “WHERE IS” BASIS. S&P DOW JONES INDICES PARTIES DISCLAIMS 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.

Credit-related information and other analyses, including ratings, research and valuations are generally provided by licensors and/or affiliates of S&P Dow Jones Indices, including but not limited to S&P Global's other divisions such as S&P Global Market Intelligence. Any credit-related information and other related analyses and statements in the Content are statements of opinion as of the date they are expressed and not statements of fact. Any opinion, analyses and rating acknowledgement decisions are not recommendations to purchase, hold, or sell any securities or to make any investment decisions, and do not address the suitability of any security. S&P Dow Jones Indices does not assume any obligation to update the Content following publication in any form or format. The Content should not be relied on and is not a substitute for the skill, judgment and experience of the user, its management, employees, advisors and/or clients when making investment and other business decisions. S&P DJI does not act as a fiduciary or an investment advisor. While S&P DJI has obtained information from sources it believes to be reliable, S&P DJI does not perform an audit or undertake independent verification of any information it receives. S&P DJI reserves the right to vary or discontinue any index at any time for regulatory or other reasons. Various factors, including external factors beyond S&P DJI's control might necessitate material changes to indices.

To the extent that regulatory authorities allow a rating agency to acknowledge in one jurisdiction a rating issued in another jurisdiction for certain regulatory purposes, S&P Global Ratings reserves the right to assign, withdraw or suspend such acknowledgement at any time and in its sole discretion. S&P Dow Jones Indices, including S&P Global Ratings, disclaim any duty whatsoever arising out of the assignment, withdrawal, or suspension of an acknowledgement as well as any liability for any damage alleged to have been suffered on account thereof. Affiliates of S&P Dow Jones Indices LLC, including S&P Global Ratings, may receive compensation for its ratings and certain credit-related analyses, normally from issuers or underwriters of securities or from obligors. Such affiliates of S&P Dow Jones Indices LLC, including S&P Global Ratings, reserve the right to disseminate its opinions and analyses. Public ratings and analyses from S&P Global Ratings are made available on its Web sites, www.standardandpoors.com (free of charge), and www.ratingsdirect.com and www.globalcreditportal.com (subscription), and may be distributed through other means, including via S&P Global Ratings publications and third-party redistributors. Additional information about our ratings fees is available at www.standardandpoors.com/usratingsfees.

S&P Global keeps certain activities of its various divisions and business units separate from each other 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 nonpublic 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.

Some indices use the Global Industry Classification Standard (GICS®), which was developed by, and is the exclusive property and a trademark of, S&P Global and MSCI. Neither MSCI, S&P DJI 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 DJI, 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.

S&P Dow Jones Indices products are governed by the terms and conditions of the agreements under which they may be provided. A license is required from S&P Dow Jones Indices to display, create derivative works of and/or distribute any product or service that uses, is based upon and/or refers to any S&P Dow Jones Indices and/or index data.