## **S&P Dow Jones** Indices

A Division of S&P Global

# **S&P Global Luxury Indices** *Methodology*

November 2024

## **Table of Contents**

Introduction		3
	Index Objective	3
	Supporting Documents	3
Eligibility Crite	ria and Index Construction	4
	S&P Global Luxury Index	4
	S&P Europe Luxury 35/20 Capped Index	6
Index Mainten	ance	8
	Rebalancing	8
	Reweighting	8
	Additions and Deletions	8
	Corporate Actions	8
	Currency of Calculation and Additional Index Return Series	8
	Base Date and History Availability	9
Index Data		10
	Calculation Return Types	10
Index Governa	ance	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 Dissemi	nation	13
	Tickers	13
	Index Data	13
	Web site	13
Appendix A		14
	Methodology Changes	14

Appendix B		16
	ESG Disclosures	16
Disclaimer		17
	Performance Disclosure/Back-Tested Data	17
	Intellectual Property Notices/Disclaimer	18
	ESG Indices Disclaimer	20

### Introduction

#### **Index Objective**

The S&P Global Luxury Indices measure the performance of companies engaged in the production, distribution, or provision of luxury goods and services drawn from the S&P Global BMI (the underlying index).

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

#### **Index Family and Highlights**

**S&P Global Luxury Index**. The index measures the performance of 80 companies in the underlying index, weighted by float-adjusted market capitalization (FMC), multiplied by a luxury exposure score, subject to the single stock weight caps defined in *Index Construction*.

**S&P Europe Luxury 35/20 Capped Index**. The index measures the FMC-weighted performance of companies in the underlying index domiciled in Europe, subject to a minimum luxury exposure score defined in *Eligibility Factors*, multiplied by a luxury exposure score, subject to the single stock weight caps defined in *Index Construction*.

#### **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 &	Equity Indices Policies & Practices
Practices Methodology	Equity maices Policies & Fractices
S&P Dow Jones Indices' Index Mathematics	Index Mathematics Methodology
Methodology	index Mathematics Methodology
S&P Dow Jones Indices' Float Adjustment	Float Adjustment Methodology
Methodology	Float Adjustifient Methodology
S&P Dow Jones Indices' Global Industry	GICS Methodology
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.

This methodology provides guidelines for the selection and weighting process for an index that requires consideration by the Index Committee on the qualitative aspects of identifying a company as being engaged in the production, distribution, or provision of luxury goods and services. By administering S&P Dow Jones Indices' overall governing principles, the Index Committee seeks to deliver consistency in the evaluation of eligible companies and maintenance of the index on an ongoing basis.

## Eligibility Criteria and Index Construction

#### **S&P Global Luxury Index**

#### **Index Universe**

At each rebalancing reference date, the index universe is all constituents of the S&P Global BMI.

#### **Eligibility Factors**

As of each rebalancing reference date, stocks in the index universe must satisfy the following to be eligible for the index:

 GICS Sub-Industry Classification: be classified as part of one of the following GICS Subindustries:

GICS Code	GICS Sub-Industry
25102010	Automobile Manufacturers
25102020	Motorcycle Manufacturers
25201010	Consumer Electronics
25201020	Home Furnishings
25201030	Homebuilding
25202010	Leisure Products
25203010	Apparel, Accessories & Luxury Goods
25203020	Footwear
25301010	Casinos & Gaming
25301020	Hotels, Resorts & Cruise Lines
25301030	Leisure Facilities
25302020	Specialized Consumer Services
25501010	Distributors
25504010	Apparel Retail
25504040	Other Specialty Retail
25504060	Homefurnishing Retail
30201020	Distillers & Vintners
30302010	Personal Care Products
25503030	Broadline Retail

• Luxury Status: have a Luxury Exposure score. The determination of luxury status is subjective and is primarily based on qualitative factors. S&P Dow Jones Indices determines which companies may be considered as potential index constituents for a luxury index based on factors such as a company's business description, revenue segment, and market perception. Companies designated as luxury are assigned luxury exposure scores.

Luxury Exposure Scores				
0.25 0.5 0.75 1				
Minimal luxury	Moderate luxury	Significant luxury	Maximum luxury	
exposure	exposure	exposure	exposure	

- **Liquidity**: have a minimum three-month average daily value traded (ADVT) of US\$ 1 million (US\$ 750,000 for current constituents).
- Listing Venues: trade on a developed market exchange, as defined by S&P Dow Jones Indices.

Multiple Share Classes: Each company is represented once by the Designated Listing. For
more information regarding the treatment of multiple share classes, please refer to Approach B
within the Multiple Share Classes section of the S&P Dow Jones Indices' Equity Indices Policies
& Practices Methodology.

#### **Constituent Selection**

At each rebalancing, select 80 stocks according to the following process:

- 1. Rank stocks in descending order by luxury exposure score.
- 2. Rank stocks in descending order by FMC.
- 3. Select the top 80 highest ranking stocks until the target count is met.

#### **Constituent Weightings**

At each rebalancing, the index FMC weights constituents, multiplied by luxury exposure score, subject to the following single stock weight caps:

- constituents with a luxury exposure score of 1 are capped at 8%.
- constituents with a luxury exposure score of 0.75 are capped at 6%.
- constituents with a luxury exposure score of 0.5 are capped at 4%.
- constituents with a luxury exposure score of 0.25 are capped at 2%.

Any excess capped weight is proportionally redistributed to uncapped constituents until all the constraints are satisfied.

#### S&P Europe Luxury 35/20 Capped Index

#### **Index Universe**

At each rebalancing reference date, the index universe is all constituents of the S&P Global BMI.

#### **Eligibility Factors**

As of each rebalancing reference date, stocks in the index universe must satisfy the following to be eligible for the index:

 GICS Sub-Industry Classification: be classified as part of one of the following GICS Subindustries:

GICS Code	GICS Sub-Industry
25102010	Automobile Manufacturers
25102020	Motorcycle Manufacturers
25201010	Consumer Electronics
25201020	Home Furnishings
25201030	Homebuilding
25202010	Leisure Products
25203010	Apparel, Accessories & Luxury Goods
25203020	Footwear
25301020	Hotels, Resorts & Cruise Lines
25301030	Leisure Facilities
25302020	Specialized Consumer Services
25501010	Distributors
25504010	Apparel Retail
25504040	Other Specialty Retail
25504060	Homefurnishing Retail
30302010	Personal Care Products
25503030	Broadline Retail

- **Country of Domicile:** be domiciled in a developed or emerging European market, as defined in the S&P Global BMI, S&P/IFCI Methodology.
- Listing Venues: trade on a market exchange in developed Europe, the U.S., or Hong Kong.
- **Liquidity:** have a minimum three-month median daily value traded (MDVT) of US\$ 1 million (US\$ 750,000 for current constituents).
- Luxury Status: have a luxury exposure score of 0.5 or greater.
- Multiple Share Classes: Each company is represented once by the Designated Listing. For
  more information regarding the treatment of multiple share classes, please refer to Approach B
  within the Multiple Share Classes section of the S&P Dow Jones Indices' Equity Indices Policies
  & Practices Methodology

#### **Constituent Selection**

At each rebalancing, select all eligible stocks from the underlying index.

#### **Constituent Weightings**

At each rebalancing and reweighting, the index FMC weights constituents, multiplied by luxury exposure score, subject to the single stock weight caps based on the scenarios in the table below:

Capping Scenario	Steps
At least one stock in the index has an uncapped weight exceeding 33%.	Cap the stock with the largest weight at 33%.     Proportionally redistribute all excess weight to the remaining uncapped stocks in the index.
	2. If the weight of any remaining uncapped stock exceeds 19%, cap the stock's weight at 19% and proportionally redistribute the excess weight to all remaining uncapped stocks.
	3. Repeat Step 2 until the weight of all uncapped stocks does not exceed 19%.
The weight of more than one stock exceeds 19%, but the stock with the largest weight does not	Cap the stock with the largest weight at its uncapped weight.
exceed 33%.	2. If the weight of any remaining uncapped stock exceeds 19%, cap the stock's weight at 19% and proportionally redistribute the excess weight to all remaining uncapped stocks in the index.
	3. Repeat Step 2 until the weight of all uncapped stocks does not exceed 19%.

#### **Index Calculations**

The indices calculate by means of the divisor methodology 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.

## **Index Maintenance**

#### Rebalancing

The indices rebalance annually, effective after the close on the last business day of July. The rebalancing reference date is the last business day of June. Index shares are assigned based on prices seven business days prior to the rebalancing effective date.

#### Reweighting

**S&P Europe Luxury 35/20 Capped Index.** The index reweights quarterly, effective after the close on the last business day of October, January, and April. Index shares are assigned based on prices seven business days prior to the rebalancing effective date.

#### **Additions and Deletions**

Additions. Except for spin-offs, companies can only be added to the index at the time of the rebalancing.

**Spin-offs.** The spin-off is added to the index on the ex-date at a price of zero. The spin-off index shares are based on the spin-off ratio. On the ex-date, the spin-off will have the same attributes and capping adjustment factor (AWF) as its parent company and will remain in the index for at least one trading day. As a result, there is no change to the index divisor on the ex-date.

If the spin-off is ineligible for continued inclusion, it is removed after the ex-date. The weight of the spin-off being deleted is reinvested across all the index components proportionately such that the relative weights of all index components are unchanged. The net change in index market capitalization causes a divisor change.

**Deletions.** Between rebalancings, deletions can occur due to acquisitions, mergers and spin-offs or due to bankruptcies or suspensions.

#### **Corporate Actions**

For more information, 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 U.S. dollars and euros. The S&P Global Luxury Index also calculates in Chinese yuan.

WMR foreign exchange rates are taken daily at 4:00 PM London Time and used in the calculation of the indices. These mid-market fixings are calculated by WMR based on LSEG data and appear on LSEG pages.

Additional currency, currency hedged, decrement, fair value, and risk control versions of the indices may be available. Please note that this list of versions may not be complete, and that other index variations may exist. For a list of available indices, please refer to the <u>S&P DJI Methodology & Regulatory Status</u> <u>Database</u>.

For more information on these types of indices, 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 <a href="https://www.spglobal.com/spdji">www.spglobal.com/spdji</a>.

#### **Base Date and History Availability**

Index history availability, base date, and base value are shown in the table below.

Index	Launch Date	First Value Date	Base Date	Base Value
S&P Global Luxury Index	08/31/2011	06/30/2005	06/30/2005	952.32
S&P Europe Luxury 35/20 Capped Index	11/25/2024	08/01/2014	07/31/2014	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 index. All committee members are full-time professionals at S&P Dow Jones Indices. The Index Committee meets regularly. At each meeting, the Committee may review 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.

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 each time the index rebalances. The pro-forma file is typically provided daily in advance of the rebalancing date and 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, the actual weight of each stock at the rebalancing will differ from these weights due to market movements.

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

#### **Holiday Schedule**

The index is calculated daily throughout the calendar year. The only days the index is not calculated are on days when all exchanges where the index's constituents are listed are officially closed.

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 <a href="www.spglobal.com/spdji">www.spglobal.com/spdji</a>, 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 <u>S&P DJI Methodology & Regulatory</u> <u>Status Database</u> for a complete list of indices covered by this document.

Index	BBG
S&P Global Luxury Index	SPGLGUP
S&P Global Luxury Index TR	SPGLGUT
S&P Global Luxury Index Net TR	SPGLGUN
S&P Global Luxury Index (CNY)	SPGLGCP
S&P Global Luxury Index TR (CNY)	SPGLGCT
S&P Global Luxury Index Net TR (CNY)	SPGLGCN
S&P Global Luxury Index (EUR)	SPGLGEP
S&P Global Luxury Index TR (EUR)	SPGLGET
S&P Global Luxury Index Net TR (EUR)	SPGLGEN
S&P Europe Luxury 35/20 Capped Index (USD)	SPEULCUP
S&P Europe Luxury 35/20 Capped Index (USD) TR	SPEULCUT
S&P Europe Luxury 35/20 Capped Index (USD) NTR	SPEULCUN

#### **Index Data**

Daily constituent and index level data are available via subscription.

For product information, please contact S&P Dow Jones Indices, <a href="www.spglobal.com/spdji/en/contact-us">www.spglobal.com/spdji/en/contact-us</a>.

#### Web site

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

## Appendix A

#### **Methodology Changes**

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

	Effective Date	Metho	dology
Change			
Change S&P Global Luxury Index: Eligibility Criteria: GICS Sub- Industries	Effective Date (After Close) 07/31/2023	GICS Sub-Industry Classification. Stocks must be classified as part of one of the following GICS Sub-industries to be eligible for index inclusion:  • Automobile Manufacturers  • Motorcycle Manufacturers  • Consumer Electronics  • Home Furnishings  • Homebuilding  • Leisure Products  • Apparel, Accessories & Luxury Goods  • Footwear  • Casinos & Gaming  • Hotels, Resorts & Cruise Lines  • Leisure Facilities  • Specialized Consumer Services  • Distributors	GICS Sub-Industry Classification. Stocks must be classified as part of one of the following GICS Sub-industries to be eligible for index inclusion:  • Automobile Manufacturers • Motorcycle Manufacturers • Consumer Electronics • Home Furnishings • Homebuilding • Leisure Products • Apparel, Accessories & Luxury Goods • Footwear • Casinos & Gaming • Hotels, Resorts & Cruise Lines • Leisure Facilities • Specialized Consumer Services • Distributors
S&P Global	07/30/2021	Internet & Direct Marketing Retail Department Stores Apparel Retail Specialty Stores Homefurnishing Retail Distillers & Vintners Personal Products  At each annual rebalancing, stocks in the Investable Universe are selected and form	Apparel Retail     Other Specialty Retail     Homefurnishing Retail     Distillers & Vintners     Personal Care Products     Broadline Retail  At each annual rebalancing, stocks in the Investable Universe are selected and form
Luxury Index: Constituent Selection		the index according to the following process:  1. Rank in descending order by luxury exposure score.  2. Rank in descending order by total market capitalization.  3. The top 80 highest ranking stocks are selected and become index constituents.	the index according to the following process:  1. Rank in descending order by luxury exposure score.  2. Rank in descending order by floatadjusted market capitalization.  3. The top 80 highest ranking stocks are selected and become index constituents.
S&P Global Luxury Index: Price Reference date	07/19/2019	The price reference date is five business days prior to the rebalancing date.	The price reference date is seven business days prior to the rebalancing date.
S&P Global Luxury Index: Constituent Weightings	07/31/2018	At the annual rebalancing, the index is weighted based on float-adjusted market capitalization with the weight of any constituent capped at 8% of the total index weight.	At the annual rebalancing, each stock's float-adjusted market capitalization is multiplied by its luxury exposure score, with the initial weights derived from those modified market capitalizations. Stocks with a luxury exposure score of 1 are capped at 8%, stocks with a luxury exposure score of 0.75 are capped at 6%, and stocks with a luxury exposure score of 0.5 are capped at 4%, and stocks with a luxury exposure score of 0.25 are capped at 2%.

	Effective Date	Methodology	
Change	(After Close)	Previous	Updated
S&P Global Luxury Index: Addition of Liquidity Buffer	03/31/2016		Existing constituents with a three-month average daily value traded of at least US\$ 750,000 remain eligible for index inclusion.
S&P Global Luxury Index:	09/30/2015	Additions are made to the index only at the time of the annual rebalancing.	Except for spin-offs, companies can only be added to the index at the time of the rebalancing.

## Appendix B

#### **ESG Disclosures**

E	EXPLANATION OF HOW ENVIRONMENTAL, SOCIAL & GOVERNANCE (ESG) FACTORS ARE REFLECTED IN THE KEY ELEMENTS OF THE BENCHMARK METHODOLOGY <sup>1</sup>		
1.	Name of the benchmark administrator.	S&P Dow Jones Indices LLC.	
2.	Underlying asset class of the ESG benchmark. <sup>2</sup>	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		January 2021	
Appendix first publication: January 2021		January 2021	

1

<sup>&</sup>lt;sup>1</sup> 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

<sup>&</sup>lt;sup>2</sup> 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 by 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. Also, the treatment of corporate actions in back-tested performance may differ from treatment for live indices due to limitations in replicating index management decisions. 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**

© 2024 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. 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, 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, <a href="www.standardandpoors.com">www.standardandpoors.com</a> (free of charge), and <a href="www.standardandpoors.com">www.ratingsdirect.com</a> and <a href="www.standardandpoors.com">www.standardandpoors.com</a> (subscription), and may be distributors. Additional information about our ratings fees is available at <a href="www.standardandpoors.com/usratingsfees">www.standardandpoors.com/usratingsfees</a>.

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.

#### **ESG Indices Disclaimer**

S&P DJI provides indices that seek to select, exclude, and/or weight index constituents based on, but not limited to, certain environmental, social or governance (ESG) indicators, or a combination of those indicators, including the following: environmental indicators (including the efficient use of natural resources, the production of waste, greenhouse gas emissions, or impact on biodiversity); social indicators (such as, inequality and investment in human capital); governance indictors (such as sound management structures, employee relations, remuneration of staff, tax compliance, respect for human rights, anti-corruption and anti-bribery matters), specific sustainability or values-related company involvement indicators (for example, production/distribution of controversial weapons, tobacco products, or thermal coal), or controversies monitoring (including research of media outlets to identify companies involved in ESG-related incidents).

S&P DJI ESG indices use ESG metrics and scores in the selection and/or weighting of index constituents. ESG scores or ratings seek to measure or evaluate a company's, or an asset's, performance with respect to environmental, social and corporate governance issues.

The ESG scores, ratings, and other data used in S&P DJI ESG indices is supplied directly or indirectly by third parties (note these parties can be independent affiliates of S&P Global or unaffiliated entities) so an S&P DJI ESG index's ability to reflect ESG factors depends on these third parties' data accuracy and availability.

ESG scores, ratings, and other data may be reported (meaning that the data is provided as disclosed by companies, or an asset, or as made publicly available), modelled (meaning that the data is derived using a proprietary modelling process with only proxies used in the creation of the data), or reported and modelled (meaning that the data is either a mix of reported and modelled data or is derived from the vendor using reported data /information in a proprietary scoring or determination process).

ESG scores, ratings, and other data, whether from an external and/or internal source, is based on a qualitative and judgmental assessment, especially in the absence of well-defined market standards, and due to the existence of multiple approaches and methodologies to assess ESG factors and considerations. An element of subjectivity and discretion is therefore inherent in any ESG score, rating, or other data and different ESG scoring, rating, and/or data sources may use different ESG assessment or estimation methodologies. Different persons (including ESG data ratings, or scoring providers, index administrators or users) may arrive at different conclusions regarding the sustainability or impact of a particular company, asset, or index.

Where an index uses ESG scores, ratings or other data supplied directly or indirectly by third parties, S&P DJI does not accept responsibility for the accuracy of completeness of such ESG scores, ratings, or data. No single clear, definitive test or framework (legal, regulatory, or otherwise) exists to determine 'ESG',

'sustainable', 'good governance', 'no adverse environmental, social and/or other impacts', or other equivalently labelled objectives. In the absence of well-defined market standards and due to the existence of multitude approaches, the exercise of judgment is necessary. Accordingly, different persons may classify the same investment, product and/or strategy differently regarding 'ESG', 'sustainable', 'good governance', 'no adverse environmental, social and/or other impacts', or other equivalently labelled objectives. Furthermore, the legal and/or market position on what constitutes an 'ESG', 'sustainable', 'good governance', 'no adverse environmental, social and/or other impacts', or other equivalently labelled objectives may change over time, especially as further regulatory or industry rules and guidance are issued and the ESG sustainable finance framework becomes more sophisticated.

Prospective users of an S&P DJI ESG Index are encouraged to read the relevant index methodology and related disclosures carefully to determine whether the index is suitable for their potential use case or investment objective.