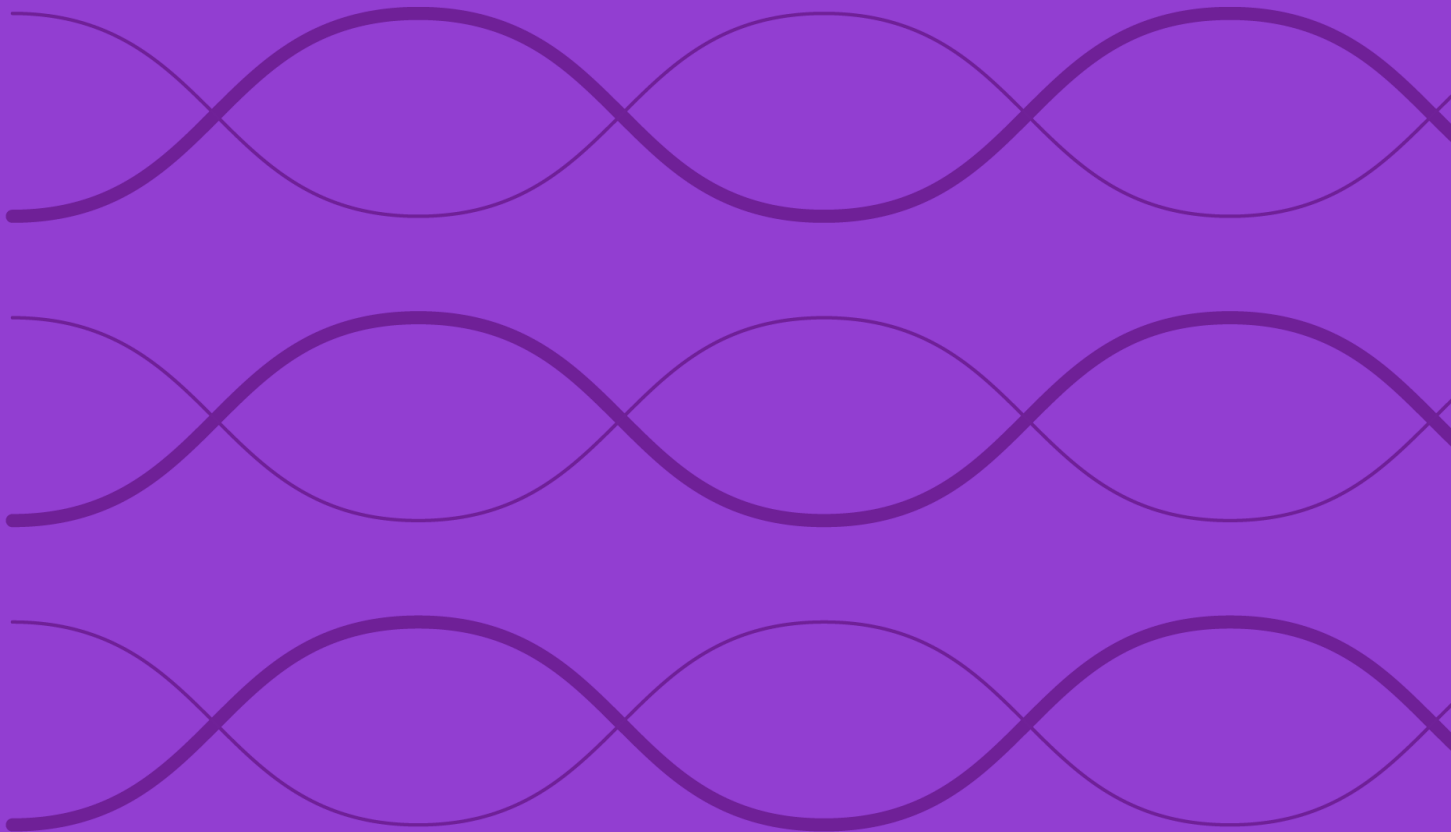


Construction Rules for the Morningstar Eurozone Large-Mid Paris Aligned Benchmark Select 50 Index



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Overview

The Morningstar Eurozone Large-Mid Paris Aligned Benchmark Select 50 Index, is designed to achieve the minimum standards laid out in the European Union-delegated acts. The index supports investors seeking to reduce their exposure to carbon risk and pursue opportunities arising from the transition to a low-carbon economy, while targeting a concentrated portfolio of 50 stocks. The index makes use of carbon emissions, carbon rating, product involvement, and ESG controversy data provided by Sustainalytics, a Morningstar company that provides sustainability research. For further information on ESG data used in the index, please see the [Morningstar ESG Index Glossary](#).

Index Inception and Performance Start Date

The index inception date is December 19, 2014, and the performance start date, when the first back-tested index value was calculated, is February 18, 2022.

Index Construction

Methodology Summary

Starting Universe

- Morningstar Eurozone Large-Mid Cap Index.

Eligibility

- Apply baseline exclusions.
- Apply activity-based exclusions.
- 3-month ADTV $\geq$ EUR 15 million.

Portfolio Construction

- Target 50 constituents.
- Cumulative weight of High Climate Impact Sectors cannot be less than 1.05x that in the Parent Index.
- Index is equal Weighted.

**Morningstar
Eurozone Large-Mid
Paris Aligned
Benchmark Select 50
Index**

Starting Universe

At each reconstitution, constituents of the Morningstar Eurozone Large-Mid Paris Aligned Benchmark Select 50 Index are derived from the Morningstar Eurozone Large-Mid Cap Index (benchmark). For more details on benchmark construction, refer to the construction rules for the [Morningstar Global Markets Indexes](#).

Eligibility

To be eligible for index inclusion, all constituents must meet the following criteria:

- Baseline Exclusions:
 - The company must not have any revenue involvement in controversial weapons, essential or nonessential.
 - The company must be compliant with the principles of the United Nations Global Compact
 - The company must not have a null or severe controversy rating (or a level of 5).
- Activity-Based Exclusions (Applies only to Paris-Aligned Indexes)
 - The company must not have any revenue involvement in thermal coal extraction, thermal coal supporting products/services and tobacco production/cultivation.
 - The company must not have 10% or more of its revenue from oil & gas production and oil & gas supporting products/services.
 - The company must not have 50% or more of its combined revenue from oil and gas generation and coal power generation.
- Liquidity Filter
 - The security must have a three-month average daily traded volume, or ADTV, of at least EUR 15 million.

Portfolio Construction

At each reconstitution, the index is constructed using an equal-weighting methodology that aims to achieve the decarbonization requirement laid out by the European Union delegated acts.

Parameter	Paris-Aligned Benchmark Select 50 Index
Minimum reduction in greenhouse gas intensity (scope 1 + 2 + 3) relative to region specific Parent Index	50%
Minimum average reduction (annualized with geometric compounding) in greenhouse gas intensity relative to greenhouse gas intensity of the index at the base date	7%
Minimum active weight in high climate sector relative to Parent Index as defined in Appendix 3	5% of the cumulative weight of the High Impact Sector Group in the Parent Index

The above objectives are achieved by using an iterative approach as mentioned below:

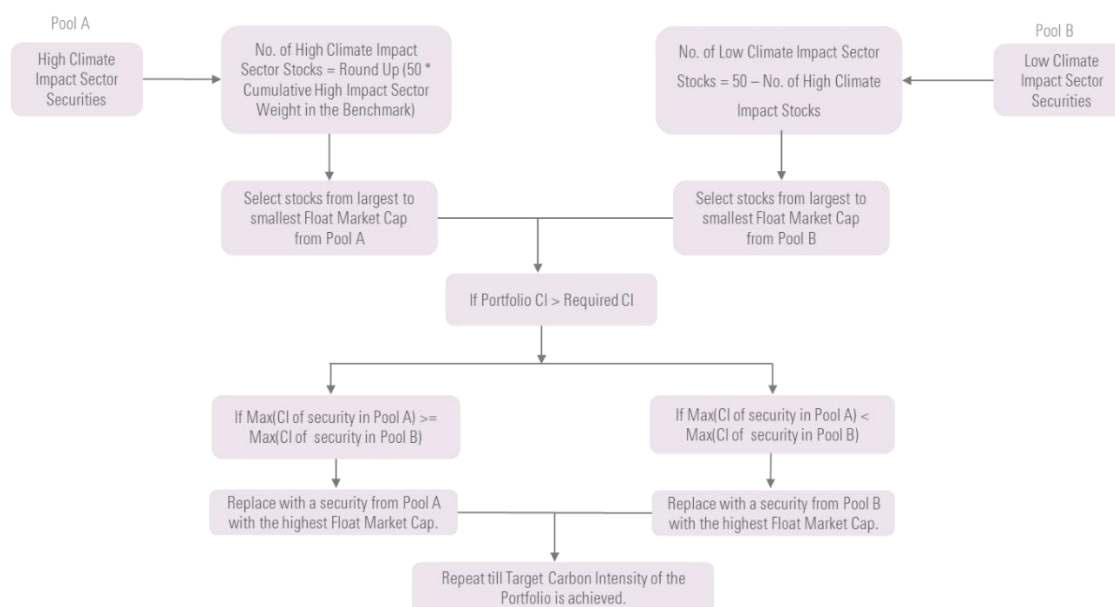
The Process

Step 1: Number of securities from High Climate Impact Sectors = Round Up ($50 * \text{Cumulative Weight of the High Climate Impact Sectors}$)

Step 2: Number of securities from the Low Climate Impact Sectors = $50 - \text{Number of securities from the High Climate Impact Sectors}$.

Step 3: Sort the securities in descending order of Float market capitalization, then select highest 50 ranked securities from the High Climate and Low Climate Impact Sectors.

Step 4: An iterative approach is followed where the security with the maximum carbon intensity from the set of 50 securities selected is replaced with a security with the highest float market capitalization from the remaining universe till the target portfolio carbon intensity is achieved.



Number of Stocks

The index targets 50 stocks based on a transparent ranking system subject to the application of eligibility criteria at reconstitution. However, if fewer than the targeted number of securities from the starting universe meet eligibility criteria, or if securities are added or deleted as a result of corporate actions after reconstitution, the constituent count may deviate from the targeted number. During reconstitution, if the number of eligible securities is less than the targeted constituent count, all eligible securities are selected. The reconstitution schedule is provided in the "Index Maintenance and Calculation" section.

Index Weighting

The index is equal weighted. For more details, refer to the [Morningstar Indexes Calculation Methodology rulebook](#).

Index Maintenance and Calculation

Reconstitution and Rebalancing

The index is reconstituted, where the membership is reset, semi-annually on the third Friday of June and December. Adjustments are implemented after Friday's market close and reflected the following Monday. If Monday is an index holiday, reconstitution is reflected the next business day. The market data used for reconstitution is as of the last trading day of May and November.

The index is rebalanced quarterly on the third Friday of March, June, September, and December. Adjustments are implemented after Friday's market close and reflected the following Monday. If Monday is an index holiday, the rebalance is reflected the next business day. During quarterly reviews, constituents with a controversy rating of 5 are deleted from the index. Parent index eligibility is maintained during the quarterly reviews.

Index files are published according to the global calendar schedule. For more information, please refer to the [Morningstar Indexes Holiday Calendar](#).

Corporate Actions

The treatment of corporate actions will be as per the alternatively-weighted indexes corporate action methodology. For more details, please refer to the [Morningstar Indexes Corporate Actions Methodology rulebook](#).

Index Calculation and Price Data

Details about index calculations and price data can be found in their respective rulebooks: [Morningstar Indexes Calculation Methodology](#) and [Equity Closing Prices Used for Index Calculation](#).

Methodology Review and Index Decommissioning Policy

The index methodology is continually reviewed to ensure it achieves all stated objectives. These reviews consider corporate action treatment, selection, and maintenance procedures. Subscribers to the index will be notified before any methodology changes are made. For more details, refer to the [Morningstar Index Methodology Change Policy](#).

Morningstar Indexes notifies all subscribers and stakeholders of the index that circumstances might arise that require a material change to, or a possible cessation of, the index. These circumstances are generally not within Morningstar's control and may include significant changes to the underlying market structure, inadequate access to necessary data, geo-political events, and regulatory changes. In addition, factors such as low usage or methodology convergence may result in the cessation of an index.

Because the cessation of the index or benchmark index could disrupt subscriber products that reference this index, all subscribers are encouraged to have robust fallback procedures if an index is terminated. For more details, refer to the [Morningstar Index Decommissioning Policy](#).

Data Correction and Precision

Intraday Index Data Corrections

Commercially reasonable efforts are made to ensure the accuracy of data used in real-time index calculations. If incorrect price or corporate action data affects index calculations, corrections are applied prospectively.

Index-Related Data and Divisor Corrections

Incorrect pricing and corporate action data for individual issues in the database will be corrected upon detection. In addition, an incorrect divisor of an index, if discovered within two days of its occurrence will be fixed retroactively on the day it is discovered to prevent an error from being carried forward. Commercially reasonable efforts are made to correct an older error subject to its significance and feasibility.

For more details, refer to the [Recalculation Guidelines](#).

Exceptions

While Morningstar will seek to apply the methodology as described within this document, the market environment, supervisory, legal, financial, or tax reasons may require an alternative approach to be adopted. A decision to take an alternative approach will be made by the Morningstar Index Methodology Committee, and in all instances, the application of a nonstandard process will be reported to the Morningstar Index Oversight Committee.

Appendixes

Appendix 1: Modifications to the Rulebook

Section	Description of Change	Update Date
Product involvement based exclusions	Added the following screens: - Thermal Coal Supporting Products / Services - Oil & Gas Supporting Products / Services - Thermal Coal Power Generation Revenue - Oil & Gas Power Generation Revenue	Dec 19, 2022
Decarbonization Trajectory	Minimum average reduction (annualized with geometric compounding) in greenhouse gas intensity is set at 7% relative to greenhouse gas intensity of the Paris-Aligned Index instead of the Parent Index at the base date	Dec 19, 2022
Calculation of average decarbonization	The portfolio carbon intensity (MT CO2/Mn USD (EVIC)) for Dec 14 has been updated to 80.08	Dec 19, 2022
Active Sector Constraint	The minimum active weight of the cumulative High Climate Impact Sector group has been set at 0.05% of their corresponding weight in the Parent Index instead of an absolute value of 0%	Dec 19, 2022
Entire rulebook	Moved to new template	May 2024
Corporate Action	Moved all the indexes to the standard Morningstar Corporate Action Methodology	July 2024
Data Correction and Precision	Computational and Reporting Precision Section removed	June 2025
Calculation of Carbon, or Greenhouse Gas, Intensity	Clarified exceptions handling language	January 2026
Appendix 5: Climate Impact Sectors	Updated high-climate-impact NACE section references from Section L to Section M for real estate activities and added clarification regarding historical NACE classification treatment.	August 2026

Appendix 2: Glossary

Term	Description
Reconstitution	During each reconstitution, the steps mentioned in the index construction process are performed, resulting in membership reset.
Rebalance	During each rebalance, the weights are adjusted for updated free-float and shares outstanding data.

Appendix 3: Construction of Target Metrics

Calculation of Carbon, or Greenhouse Gas, Intensity

The total emission of a security is defined as the sum of scope 1, scope 2, and scope 3 emissions. Enterprise value including cash (or EVIC) is the sum, at fiscal year-end, of the market capitalization of ordinary shares, the market capitalization of preferred shares, and the book value of total debt and noncontrolling interests, without the deduction of cash or cash

equivalents. The carbon intensity of a security is defined as the ratio of the total emissions (in metric tons) adjusted for the inflation in EVIC and the EVIC of the company (in millions of U.S. dollars).

For parent index constituents where the scope 1+2+3 emissions intensity is not available, the average scope 1+2+3 emissions intensity of all the constituents of the Morningstar Global Target Market Exposure Large Mid Index in the same NACE section in which the constituent belongs is used. Securities with null NACE section are additionally excluded. A valid carbon intensity value can only be calculated if both the emissions and EVIC values are available for the company.

$$\text{Total Emissions} = (\text{Scope 1} + \text{Scope 2} + \text{Scope 3}) \text{ Emissions}$$

$$\text{Security Level Carbon Intensity} = \frac{\text{Total Emissions} (1 + \text{EVIAF})}{\text{Enterprise Value Including Cash (in Mn USD)}}$$

$$*\text{Enterprise Value Inflation Factor (EVIAF)} = \frac{\text{Average Enterprise Value Including Cash}}{\text{Previous Average Enterprise Value Including Cash}} - 1$$

$$\text{Enterprise Value Including Cash (EVIC)} = \text{MktCapOrdinary}_{\text{Shares}} + \text{MktCapPreferred}_{\text{Shares}} + \text{BV}_{\text{Debt}} + \text{NCI}$$

$$\text{Weighted Average Carbon (GHG) Intensity} = \sum (\text{Index Weight} * \text{Security Level GHG Intensity})$$

* The inflation adjustment factor is calculated at the parent index level.

* Carbon intensity of securities is adjusted by the EVIAF factor only during those reconstitutions when we observe an increase in the average EVIC value as compared to the previous reconstitution. In case of a decrease, the EVIAF is set to 1.

Where a company's total reported emissions show a material deviation from the previous reconstitution, and this deviation is assessed through Morningstar Indexes' quality-assurance review to be driven by reporting timing issues or partial reporting (for example, delayed disclosure of Scope 3 financed emissions), the emissions value from the prior reconstitution may be carried forward for up to two subsequent reconstitution periods. This rule applies only to ongoing index maintenance and does not affect simulated index history.

Calculation of Target High Impact Sector Group Weight

The target weight of the High Impact Sector Group is set at 1.05x its cumulative weight in the Parent index.

Calculation of Average Decarbonization

The climate transition and Paris-aligned indexes follow a 7% decarbonization trajectory since the base date. The weighted average greenhouse gas intensity of the portfolio at the base date is used to compute the target weighted average greenhouse gas intensity at any given semi-annual index review, according to the following formula.

$$CI_T = CI_0 * (0.93)^{(t-\frac{1}{2})}$$

Where t is the number of semi-annual index reviews since the base date. The base date is set at June 21, 2021. CI_0 is the achieved carbon intensity of the portfolio on the base date.

We also aim to achieve a min 50% reduction in greenhouse gas intensity with respect to the custom benchmark index on each reconstitution date. The minimum of these two intensity targets is set as the target portfolio intensity.

Parent Index	Base Date	Benchmark intensity (MT CO ₂ /Mn USD EVIC)	Portfolio intensity (MT CO ₂ /Mn USD EVIC)
Morningstar Eurozone Large-Mid	Dec 22, 2014	168.78	80.08

Appendix 4: Product Involvement Based Exclusions

Detailed Criteria	Revenue Threshold for Paris-Aligned Indexes
Controversial Weapons Tailor Made & Essential	0%
Controversial Weapons Non-Tailor Made or Nonessential	0%
Tobacco Production	0%
Thermal Coal Production	0%
Thermal Coal Supporting Products & Services	0%
Oil & Gas Production	< 10%
Oil & Gas Supporting Products & Services	< 10%
Thermal Coal Power Generation	a%*
Oil & Gas Power Generation	b%*

* (a+b)% < 50%

* The null values for the below-mentioned data points have been backfilled in history for all Climate-Transition and Paris-Aligned Benchmark Indexes - Tobacco Production, Thermal Coal Production, Thermal Coal Supporting Products & Services, Oil & Gas Production, Oil & Gas Supporting Products & Services, Thermal Coal Power Generation, Oil & Gas Power Generation.

*In the backtest of this index, treatment of *null* values is as follows:

- Thermal Coal Production, Oil & Gas Production, Oil & Gas Supporting Products & Services, Tobacco Production, Controversial Weapons Tailor Made & Essential, Controversial Weapons Non-Tailor Made or Non-Essential, GCC Status – null values prior to Dec'19 have been retained whereas, null values from Dec'19 have been removed from the universe.
- Thermal Coal Supporting Products & Services - null values prior to March'22 have been retained whereas, null values from Dec'19 have been removed from the universe.
- Oil & Gas Power Generation and Thermal Coal Generation - null values have been treated as 0% revenue involvement throughout the backtest history.

* From Dec'22 onwards, any security with missing values for the above-mentioned data points (Controversy score and GCC Status included) will be removed from the universe.

Appendix 5: Climate Impact Sectors

NACE is the European Union's classification of economic activities. According to EU regulation, the NACE sections A, B, C, D, E, F, G, H, and M are deemed high climate impact sectors that cannot be underweight relative to their respective weights in the parent index. For this index, instead of not underweighting NACE Sections A, B, C, D, E, F, G, H and M individually, we ensure that the cumulative weight of these NACE Sections is not less than 1.05x their weight in the benchmark. The other sections are left unconstrained as a part of the tilt weighting methodology. Every company in the parent index is mapped to a particular NACE section and further aggregated to form the respective sector constraint cohorts. In the backtest, for companies that had a missing NACE section in their history, the NACE data has been back-propagated as NACE is a slow-

changing data. Companies for which we did not have a valid NACE section even after back-propagating have been removed from the eligible universe. The references to NACE Sections A, B, C, D, E, F, G, H, and M in this methodology reflect amendments to the NACE classification under Commission Delegated Regulation (EU) 2023/137, under which real estate activities are represented under Section M. Prior to that date, real estate activities were represented under Section L for purposes of the high-climate-impact sector treatment. Historical backtested periods continue to use the NACE section data and classifications applied at the relevant time and are not restated to reflect the reassignment of real estate activities from Section L to Section M. The treatment of missing NACE section data remains unchanged.

For further details regarding NACE, please refer to https://ec.europa.eu/eurostat/statistics-explained/index.php?title=NACE_background.

Appendix 6: Morningstar Sector and Industry Decrement Indexes

Index Name	Underlying Index	Base Value	Base Date	Performance Inception Date	Inception Date
Morningstar Eurozone Large-Mid Paris Aligned Benchmark Select 50	Morningstar Eurozone Large-Mid	900	Dec 19, 2014	Dec 19, 2014	Feb 19, 2022
Morningstar Eurozone Large-Mid Paris Aligned Benchmark Select 50	Morningstar Eurozone Large-Mid Paris Aligned Benchmark Select 50 NR EUR	900	Dec 19, 2014	Dec 19, 2014	Feb 19, 2022
Morningstar Eurozone Large-Mid Paris Aligned Benchmark Select 50	Morningstar Eurozone Large-Mid Paris Aligned Benchmark Select 50 GR EUR	810	Dec 19, 2014	Dec 19, 2014	Feb 19, 2022

Appendix 7: Decrement Levels

Return Variant of the Base Index	Base Currency	Decrement Type	Decrement Frequency	Decrement Application	Decrement Value	Day Count Convention
Net Total Return	EUR	Fixed percentage decrement of	Daily	Geometric application for both	5% decrement based on the Net Return	*ACT/365
Gross Total Return		decrement based on the index version		decrement types	50-point decrement based on Gross Total Return	

* ACT is the number of calendar days between two calculation days.

Formula for Fixed Point Decrement

Geometric Decrement Calculation:

$$IV_t = \left[IV_{t-1} * \frac{U_t}{U_{t-1}} \right] - \left[D * \frac{Act_{t-1,t}}{DayCount} \right]$$

Where:

IV_t	=	The value of the of the decrement index for calculation day t
IV_{t-1}	=	The value of the decrement index for the day immediately preceding calculation day t
U_t	=	The value of the underlying index for calculation day t
U_{t-1}	=	The value of the underlying index for calculation day t-1
$Act_{t-1,t}$	=	Number of calendar days between calculation day t-1 and calculation day t
D	=	The decrement amount expressed in Index points
DayCount	=	365

Formula for Fixed Percentage Decrement

Geometric Decrement Calculation:

$$IV_t = IV_{t-1} - \left[\frac{U_t}{U_{t-1}} - (c * \frac{Act_{t-1,t}}{DayCount}) \right]$$

Where:

IV_t	=	The value of the of the decrement index for calculation day t
IV_{t-1}	=	The value of the decrement index for the day immediately preceding calculation day t
U_t	=	The value of the underlying index for calculation day t
U_{t-1}	=	The value of the underlying index for calculation day t-1
$Act_{t-1,t}$	=	Number of calendar days between calculation day t-1 and calculation day t
DayCount	=	365

Appendix 8: Index Treatment in Case of Inability to Meet Required Decarbonization Target

In the off chance that the Index is unable to achieve the target decarbonization in a particular year, then we will relax the active sector constraint from being 5% of the benchmark weight for the High Impact Sector Group to incrementally lower numbers greater than or equal to 0% till the target is met. We will still be in compliance with the EU Regulations which requires the cumulative weight of the High Impact Sector group to not be less than that in the benchmark. We have implemented a stricter approach in our methodology. If the required decarbonization target is still not being achieved, the equal weighting scheme of the index will be relaxed, and we will switch to an approach that will achieve the required decarbonization trajectory while simultaneously try to keep the weights of the securities as close to equal-weighted as possible.

About Morningstar Indexes

Morningstar Indexes was built to keep up with the evolving needs of investors—and to be a leading-edge advocate for them. Our rich heritage as a transparent, investor-focused leader in data and research uniquely equips us to support individuals, institutions, wealth managers, and advisors in navigating investment opportunities across major asset classes, styles, and strategies. From traditional benchmarks and unique IP-driven indexes to index design, calculation, and distribution services, our solutions span an investment landscape as diverse as investors themselves.

Morningstar Index Methodology Committee

The Morningstar Index Methodology Committee oversees all new index development, index methodology changes, and cessation of indexes for any indexes where Morningstar owns the intellectual property. This committee is also charged with ensuring that indexes align with Morningstar Research principles and values. The group comprises members of the index team with index research, product development, product management, client service, index implementation, and operation expertise who provide the first layer of governance over index design and methodology.

Morningstar Index Operations Committee

The Morningstar Index Operations Committee governs the processes, systems, and exception handling of the day-to-day management of all live indexes, including index rebalancing and reconstitution, restatements, market classification, and contingency management. The committee oversees the annual review of index methodology, as required by the European Benchmarks Regulation (“BMR”), ensuring that methodologies remain fit for purpose and continue to achieve their stated investment objectives. The group comprises members of the index team with data, operations, corporate actions, product development, index launch, client service, and index management experience who provide the first layer of governance over index operations.

Morningstar Index Oversight Committee

The Morningstar Index Oversight Committee is responsible for the index oversight function as per the requirements of the European Benchmarks Regulation (“BMR”), providing independent oversight of all aspects of the governance of benchmark administration as required by the BMR. Its remit extends to all calculation and administration-related business activities of Morningstar Indexes, including administration of Morningstar-owned benchmarks as well as client-owned benchmarks and index calculation. The oversight function is part of the organizational structure of Morningstar but is separate and independent from the index business, index management, and the other index committees.

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