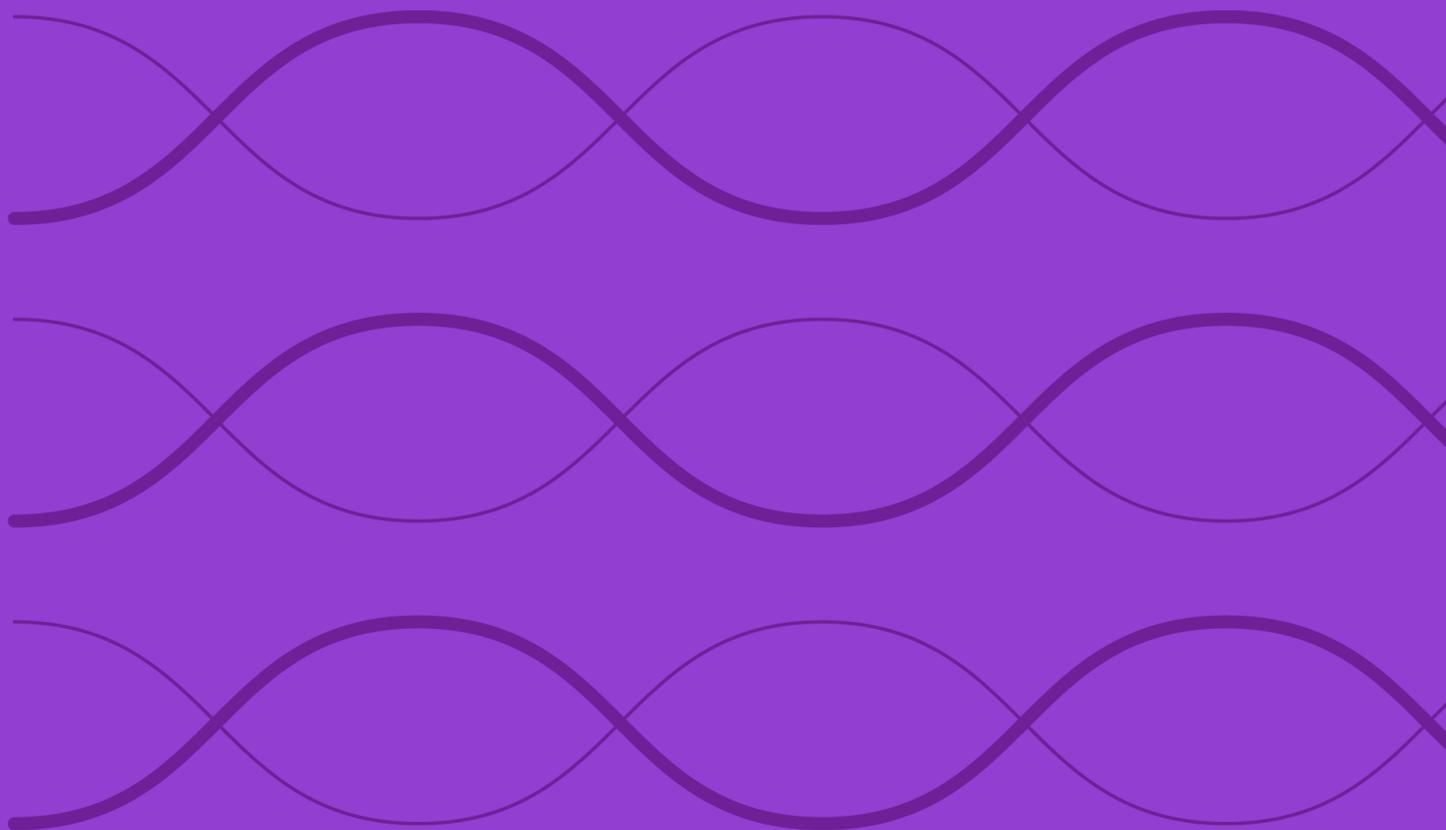


Construction Rules for the Morningstar[®] Eurozone Banks and Europe Basic Resources Select 20SM Index



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Overview

The Morningstar® Eurozone Banks and Europe Basic Resources Select 20 index aims to track the performance of the top 10 Eurozone based companies by market cap involved in the Banks industries, as well as the top 10 Developed European companies involved in the basic resources industries. There is a 60/40 split between EEA and non-EEA stocks respectively and a 10% cap on individual security weights.

This index does not incorporate environmental, social, or governance criteria.

Index Inception and Performance Start Date

The index inception date is August 30, 2023, and the performance start date is June 20, 2008

Index Construction

Methodology Summary

Starting Universe

- Morningstar Global Markets

Eligibility

- Select Eurozone stocks from the below sectors/industries
 - Banks – Diversified
 - Banks – Regional
 - Mortgage Finance
- Select Developed European stocks from the below sectors/industries
 - Copper
 - Lumber & Wood production
 - Aluminium
 - Coking Coal
 - Steel
 - Paper & Paper Products
 - Other Industrial Metals & Mining

Portfolio Construction

- Select the top 10 by market cap in each region
- Free-float market capitalization weighting
- Apply a 10% cap to individual security weights
- Apply a 60% weighting to EEA Stocks
- Apply a 40% weighting to non-EEA stocks

Morningstar
Eurozone Banks and
Europe Basic
Resources Select 20
Index

Starting Universe

At each reconstitution, constituents of the Morningstar Eurozone Banks and Developed Europe Basic Resources Select 20 are derived from the [Morningstar Global Markets Index](#). For more details on benchmark construction, refer to the construction rules for the [Morningstar Global Markets Index](#).

Eligibility

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

- Eurozone stocks must be in the following sectors/industries
 - Banks – Diversified
 - Banks – Regional
 - Mortgage Finance
- Developed European stocks must be in the following sectors/industries
 - Copper
 - Lumber & Wood production
 - Aluminium
 - Coking Coal
 - Steel
 - Paper & Paper Products

- Other Industrial Metals & Mining

Portfolio Construction

- Select the top 10 stocks by market cap in either sector region combination
- Stocks are FFMC weighted
- Apply a 60/40 split between EEA and non-EEA stocks respectively
- Apply a 10% cap to individual security weights

Number of Stocks

The indexes target a fixed number of 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 float-adjusted market capitalization-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. The market data used for reconstitution is as of the last trading day of April and October.

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. The market data used for rebalancing is as of the last trading day of February, May, August, and November.

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 float-adjusted market capitalization-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 Cessation Policy

The index methodology is continually reviewed to ensure it achieves all stated objectives. These reviews consider corporate action treatment, eligibility requirements, 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 Cessation Process](#).

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 generally 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 method described above, 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 relevant Morningstar Indexes Methodology Committee, and in all instances, the application of a nonstandard process will be reported to the Morningstar Indexes Oversight Committee.

Appendixes

Appendix 1: Modifications to the Rulebook

Section	Description of Change	Update Date
Appendix 3	The base date for the 50 point decrement has been updated.	January 2023
Corporate Action	Updated link to Morningstar Standard Methodology	July 2024
Data Correction & Precision	Computational and Reporting Precision section removed	September 2024

Appendix 2: Glossary

Terms	Description
Rebalance	Each rebalancing involves the following <ul style="list-style-type: none"> Changes in index shares (free float, total shares outstanding, index-specific adjustment factor) of each constituent. Addition of U.S. spin-offs/IPOs to the global markets index.
Reconstitution	Each reconstitution involves the following <ul style="list-style-type: none"> Updating the global market's investable equity universe Reviewing the economic segment- and country-level size segment breakpoints Assigning companies to capitalization bands considering the buffer zones Changes in index shares (free float, total shares outstanding, index-specific adjustment factor) of each constituent.

Appendix 3: Decrement Indexes

Index Name	Underlying Index	Base Value	Base Date	Inception Date	Performance Inception Date
Morningstar Eurozone Banks and Europe Basic Resources Select 20 Decrement 50 Point GR	Morningstar Eurozone Banks and Europe Basic Resources Select 20 GR	1000	May 21, 2010	August 30, 2023	June 20, 2008
Morningstar Eurozone Banks and Europe Basic Resources Select 20 Decrement 5% NR	Morningstar Eurozone Banks and Europe Basic Resources Select 20 NR	1000	July 23, 2009	August 30, 2023	June 20, 2008

Appendix 4: Decrement Levels

Return Variant of the Base Index	Base Currency	Decrement Type	Decrement Frequency	Decrement Application	Decrement Value	Day Count Convention
Net Total Return Gross Total Return	EUR	Fixed Percentage Decrement or Fixed Point Decrement	Daily	Geometric application for	5% decrement based on the Net Total Return	*ACT/365

		based on the index version.		both decrement types.	50-point decrement based on Gross Total Return	
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*ACT is the number of calendar days between two calculation days.

**Formula for Fixed Point Decrement
Geometric Decrement Calculation**

$$IV_t = (IV_{t-1} \times (U_t \div U_{t-1})) - (D \times (Act(t-1,t) \div DayCount))$$

Where:

IV_t = The value of the Fixed Point Decrement Index for calculation day *t*

IV_{t-1} = The value of the Fixed Point Decrement Index for day *t-1*

U_t = The value of the base Index for calculation day *t*

U_{t-1} = The value of the base 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 value expressed in Index points

DayCount = Set to 365

**Formula for Fixed Percentage Decrement
Geometric Decrement Calculation**

$$IV_t = IV_{t-1} \times ((U_t \div U_{t-1}) - (c \times (Act(t-1,t) \div DayCount)))$$

Where:

IV_t = The value of the Fixed Percentage Decrement Index for calculation day *t*

IV_{t-1} = The value of the Fixed Percentage Decrement Index for day *t-1*

U_t = The value of the base Index for calculation day *t*

U_{t-1} = The value of the base Index for calculation day *t-1*

Act(t-1,t) = Number of calendar days between calculation day *t-1* and calculation day *t*

c = The Decrement value expressed in Fixed Percentage

DayCount = Set to 365

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 Indexes Methodology Committee

The Morningstar Indexes 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 Indexes Operations Committee

The Morningstar Indexes 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 U.K. and EU benchmark regulations, or 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 Indexes Oversight Committee

The Morningstar Indexes Oversight Committee is responsible for the index oversight function as per the requirements of the U.K. and European BMR, providing independent oversight of all aspects of the governance of benchmark administration as required by the relevant 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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