# Bloomberg Artificial Intelligence Select Index Methodology

March 2025

## **Contents**

Introduction	3
Section 1: Overview	3
Section 2: Index Eligibility Process	3
Parent Universe	3
Theme Eligibility	3
Market Capitalization Eligibility	3
Liquidity Eligibility	3
Exchange Eligibility	4
Multiple Classes of Securities	4
ESG Eligibility	4
Section 3: Index Construction Process	5
Index Selection Process	5
Index Weighting	5
Index Rebalance and Reconstitution	5
Section 4: Index Maintenance	6
Index Calculation	6
Deletion Policy	6
Addition Policy	6
Replacement Policy	6
Corporate Actions	6
Index Rebalance Holiday Impact	6
Section 6: Document Version History	7
Appendix A: Environmental, Social and Governance (ESG) Disclosures	8

#### Introduction

This document is intended to be read in conjunction with the <u>Bloomberg Global Equity Indices Methodology</u>; these documents collectively constitute the index methodology for this Index.

The Bloomberg Artificial Intelligence Select Index is constructed to track the performance of companies that develop, facilitate, or use solutions such as deep learning, machine learning, natural language processing, and image and speech recognition utilizing data from Bloomberg Intelligence (BI). The Index selects the top 50 companies based on a combination of the revenue assessment of companies stemming from artificial intelligence products and services according to BI and their market capitalization and excludes companies based on certain ESG factors. The Index is modified market capitalization weighted where the market capitalization of a company is adjusted for its revenue assessment coming from the theme.

#### **Section 1: Overview**

Name	Bloomberg Artificial Intelligence Select Index				
Base date	2015-04-20				
Inception Date	2024-09-09				
Rebalance	Quarterly				
Publication	Weekdays				
Currency	USD				
	BAIS (Price Return)				
Tickers	BAIST (Total Return)				
	BAISN (Net Return)				

## **Section 2: Index Eligibility Process**

#### **Parent Universe**

To be selected for the Bloomberg Artificial Intelligence Select Index, a security must be a member of the Bloomberg World Aggregate Index (WAGGE).

## **Theme Eligibility**

A security must belong to the Exposure Categories defined below within the Artificial Intelligence (AI) ecosystem as determined by Bloomberg Intelligence (BI). Within the Artificial Intelligence ecosystem, a security must belong to the Gold tier. Bloomberg Index Services Limited (BISL) places securities into a Gold or Silver tier in accordance with the Bloomberg Thematic Protocol. Please refer to the Bloomberg Thematic Protocol through the link below for additional details on the construction of thematic baskets.

## **Bloomberg Thematic Protocol**

Exposure Category	Definition			
Application Software	Companies that provide AI application software development.			
Infrastructure Software	Companies that provide AI infrastructure software development.			
Hyperscaler	Companies integral to AI proliferation across multiple business layers.			
Hardware	Companies that provide AI hardware and storage.			
Semiconductors	Companies that provide semiconductor solutions for Al.			
Application Accelerator	Companies accelerating adoption and proliferation of Al usage.			

In addition, a security must not be classified as Application Accelerator, defined above, according to BI.

#### **Market Capitalization Eligibility**

A security must have a minimum issuer free float market capitalization of \$500 million.

## **Liquidity Eligibility**

A security must have a minimum 90-day average daily value traded of \$5 million.

## **Exchange Eligibility**

A security must not be listed on Shanghai or Shenzhen Stock Connect exchanges (exchange codes C1 and C2).

## **Multiple Classes of Securities**

One security per issuer is permitted. If an issuer has multiple securities, then the security currently in the Index will take precedence if it has met all other criteria for eligibility. Otherwise, the security with the highest 90-day average daily value traded is eligible for inclusion in the Index.

## **ESG Eligibility**

Securities are screened for involvement in certain environmental and/or social activities. Data for the relevant screens are sourced from ESG data provider, Sustainalytics. The table below outlines the various exclusions that are screened as a part of this Index as well as the thresholds that are used to exclude companies. For further details on the ESG factors, please see the ESG disclosures in Appendix A.

If a security/issuer is not included in Sustainalytics research coverage for either the Product Involvement, ESG Risk Ratings, or Controversies datasets from Sustainalytics, then the Index will deem such security/issuer as ineligible for inclusion.

Category	Description	Exclusion Criteria
Resource Use ESG Risk Rating	Measure of a company's usage of raw material inputs and the management of related risks.	Researched companies having high or severe risk associated with their usage or risk management of raw material inputs are excluded from the Index.
Controversial Weapons	Companies involved in the manufacturing of controversial weapons or components or services thereof.	Researched companies that have any involvement in the core weapon system or components and services of the core weapon system, including significant ownership, are excluded from the Index.
Controversial Event Indicator	An indication of isolated or related incidents that pertain to the same ESG issues.	Researched companies with any Category 5 Controversy Rating are excluded from the Index.  Researched companies involved in controversial events, including contractor and supply chain-related controversies, with a high impact (Category 4) pertaining to the following ESG issues are excluded from the Index:  - Access to basic services - Accounting and taxation - Bribery and corruption (including contractor and supply chain incidents) - Occupational health and safety (including contractor and supply chain incidents) - Employees - human rights (including contractor and supply chain incidents) - Society - human rights (including contractor and supply chain incidents) - Land use and biodiversity (including contractor and supply chain incidents)
Oil Sands	Companies that extract oil sands.	Researched companies that have 5% or more revenues from extracting oil sands are excluded from the Index.
Adult Entertainment	Companies involved in the production or distribution of adult entertainment.	Researched companies that have 5% or more revenues from the production or

	distribution of adult entertainment are
	excluded from the Index.

#### **Section 3: Index Construction Process**

#### **Index Selection Process**

All securities that satisfy the Index Eligibility Process in Section 2 are eligible for inclusion in the Index.

The eligible securities are sorted by their Revenue Assessment (ascending order) and then their Issuer Free Float Market Capitalization (descending order).

Bl's revenue assessment reflects Bl's view of near-term revenue exposure of each company to a theme and appropriate subclassifications as a percent of the company's total revenue. Bl analysts leverage publicly available company data such as financial disclosures, and where necessary other available research, to assess a company's near-term (3 to 5 year) revenue exposure to a theme. An assessment of 1 reflects Bl's assessment of a company being more than 50% of revenue tied to the theme, 2 means 20-50%, and 3 means less than 20%. For more information, please refer to the Bloomberg Thematic Protocol: <u>Bloomberg Thematic</u> <u>Protocol</u>.

The Issuer Free Float Market Capitalization is equal to the aggregate free float market capitalization of all securities for a particular issuer.

The top 50 securities in the sorted list as defined above are selected for inclusion in the Index.

## **Index Weighting**

The Index is company modified market cap weighted. The initial weights,  $W_i$ , are assigned according to the Revenue Intensity,  $RI_i$ , as defined below.

$$W_i = \frac{RI_i}{\sum_{1}^{M} RI_i}$$

 $RI_i = FMC_i * RevenueMultiplier_i$ 

 $Revenue Multiplier_i = \begin{cases} 1, & \textit{BI Revenue Assessment} = 1 \\ 0.5, & \textit{BI Revenue Assessment} = 2 \\ 0.2, & \textit{BI Revenue Assessment} = 3 \end{cases}$ 

Where:

 $W_i$  Weight of security i M Number of Index Members  $RI_i$  Revenue Intensity of security i

FMC<sub>i</sub> Issuer free float market capitalization of security i

Securities' weights are then capped such that:

- No security's weight shall exceed 8% for the top 5 issuers by issuer free-float market cap
- No security's weight shall exceed 4% for the securities outside of the top 5 by issuer free-float market cap
- No security's weight shall be below 0.25%

Any excess weight from capping is distributed proportionally to all the remaining uncapped securities until all the above conditions are satisfied.

#### Index Rebalance and Reconstitution

The Index is reconstituted and rebalanced quarterly in January, April, July, and October.

#### Selection Date

The Index Eligibility Process and Index Selection Process are applied using data as of the 1<sup>st</sup> Friday in January, April, July, and October. ESG Eligibility is applied using data as of the 1<sup>st</sup> Wednesday in the previous month (December, March, June, and September, respectively).

#### Index Share Determination Date

Index Weighting is determined using prices as of the 1st Friday in January, April, July, and October.

#### Index Announcement Date

An Index reconstitution and rebalance announcement date shall be the 2<sup>nd</sup> Friday in January, April, July, and October.

#### Index Effective Date

The Index reconstitutions and rebalances go effective after the close of trading on the 3<sup>rd</sup> Friday in January, April, July, and October.

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Selection Date (Eligibility) 1st Friday		Х			Х			Χ			Х		
Selection Date (ESG Eligibility)	l <sup>st</sup> Wednesday		X				Х			Х			Х
Selection Date (Weighting)	Weighting) 1 <sup>st</sup> Friday X			Х			Χ			Х			
Announcement Date	2 <sup>nd</sup> Friday	Х			Х			Χ			Х		
Effective Date	3 <sup>rd</sup> Friday	Х			Х			Χ			Х		

#### Section 4: Index Maintenance

#### **Index Calculation**

Refer to the Bloomberg Global Equity Indices Methodology for index calculation details.

## **Deletion Policy**

Index securities are not deleted outside Index Rebalance and Reconstitution window except in the case of a delisting.

## **Addition Policy**

Index securities are not added outside of the Index reconstitution.

#### Replacement Policy

Index securities are not replaced outside of the Index reconstitution.

## **Corporate Actions**

Refer to Bloomberg Global Equity Indices Non-Market Cap Corporate Action Methodology for the treatment of corporate actions.

#### **Index Rebalance Holiday Impact**

Each Effective Date follows the exchange calendar for NYSE trading days. Should an Effective Date fall on a NYSE exchange holiday, it will be postponed to the next business day.

## **Section 6: Document Version History**

Date	Update
March 2025	Index Rebalance and Reconstitution: Added rule that should an Effective Date fall on a NYSE exchange holiday, it will be postponed to the next business day.

## Appendix A: Environmental, Social and Governance (ESG) Disclosures

If a security/issuer is not included in Sustainalytics research coverage for either the Product Involvement, ESG Risk Ratings, or Controversies datasets from Sustainalytics, then the Index will deem such security/issuer as ineligible for inclusion.

I. Name of the benchmark administrator.	Bloomberg Index Services Limited ("BISL")
<b>2</b> . Type of benchmark	Equity
3. Name of the benchmark or family penchmarks.	Bloomberg Artificial Intelligence Select Index
<b>1.</b> Does the benchmark methodology for the benchmark or family of benchmarks take into account ESG factors?	Yes
the benchmark methodology, taking into acco Please explain how those ESG factors are used	ease list below, for each family of benchmarks, those ESG factors that are taken into account unt the ESG factors listed in Annex II to Delegated Regulation (EU) 2020/1816.  I for the selection, weighting or exclusion of underlying assets.  gated weighted average value at the level of the family of benchmarks.
the benchmark methodology, taking into acco Please explain how those ESG factors are used	for the selection, weighting or exclusion of underlying assets.
the benchmark methodology, taking into acco Please explain how those ESG factors are used The ESG factors shall be disclosed at an aggre	unt the ESG factors listed in Annex II to Delegated Regulation (EU) 2020/1816. I for the selection, weighting or exclusion of underlying assets. gated weighted average value at the level of the family of benchmarks.

average value of the benchmark. Alternatively, all of this information may be provided in the form of a hyperlink to a website of the benchmark administrator included in this explanation. The information on the website shall be easily available and accessible. Benchmark administrators shall ensure that information published on their website remains available for five years.

List of so factors consider	Resource Use ESG Risk Rating	Exclusion	The Resource Use ESG Risk Ratings measure the degree to which a company's economic value is at risk driven by ESG factors or, more technically speaking, the magnitude of a company's unmanaged ESG risks. Resource Use includes risks associated with their usage or risk management of raw material inputs. For each company, unmanaged risk is measured by evaluating a set of material ESG issues based on both the company's exposure to and management of those issues. The resulting unmanaged risk for each issue is then summed to provide one score that represents the company's overall ESG risk.  Based on their quantitative scores, companies are grouped into one of five risk categories (negligible, low, medium, high, severe). These risk categories are absolute, meaning that a 'high risk' assessment reflects a comparable degree of unmanaged ESG risk across all subindustries covered.  Researched companies having high or severe risk associated with their usage risk management of raw material inputs are excluded from the Index.  Please see the here for further information on the ESG Risk Rating Methodology.
	Controversial Weapons	Exclusion	Researched companies that have any involvement in the core weapon system or components and services of the core weapon system, including significant ownership, are excluded from the Index.  Please see <a href="here">here</a> for further information on the Controversial Weapons methodology.

	Controversial Event Indicator	Exclusion	The Controversy Rating reflects a company's level of involvement in issues and how it manages these issues. A controversy as an event or aggregation of events relating to an ESG topic. When incidents are found in the news, they are tagged and grouped together before being rated on a scale from 1 to 5. This provides investors with a simple and straightforward way of assessing the severity of a company's exposure to controversies. The highest Event rating under a controversy indicator automatically becomes the Controversy Rating. The methodology takes into account incidents and events, analyzing the severity by taking into account impact, risk and management of the issues.  Researched companies involved in controversial events, including contractor and supply chain-related controversies, with a high impact (Category 4) pertaining to the following ESG issues are excluded from the Index:  - Access to basic services - Accounting and taxation - Bribery and corruption (including contractor and supply chain incidents) - Occupational health and safety (including contractor and supply chain incidents) - Employees - human rights (including contractor and supply chain incidents) - Society - human rights (including contractor and supply chain incidents) - Land use and biodiversity (including contractor and supply chain incidents)
	Oil Sands	Exclusion	Researched companies that have 5% or more revenues from extracting oil sands are excluded from the Index.  Please see here for further information.
	Adult Entertainment	Exclusion	Researched companies that have 5% or more revenues from the production or distribution of adult entertainment are excluded from the Index.
			Please see <u>here</u> for further information.
7. Data and stan	dards used.		
modelled or, soci (ii) Where the c	ether the data are reported, urced internally or extemally. data are reported, modelled rnally, please name the third der.	modelled from - For - For - For - For	for the benchmarks is sourced externally from Sustainalytics (reported and in Product Involvement, Controversy, and Risk Ratings data libraries).  Product Involvement Screens, please see <a href="here">here</a> for further information.  ESG Ratings, please see the <a href="here">here</a> for further information.  Controversial Weapons please see <a href="here">here</a> for further information.  Controversies Rating, please see <a href="here">here</a> for further information.  o <a href="this">this</a> link for additional details on Sustainalytics.
quality of those	ata are verified and how the	Universe I Cent Cent Cent Cent Cent Cent Cent Cent	has processes in place to validate the quality and reliability of the data.  Management ralized universe definitions and processes for rebalancing; terly rebalances of Sustainalytics' standard coverage and compliance erses; r, transparent and consistent approach to the allocation of research versus rage entities.  esearch inuous improvement and maintenance of quality and research standards; back that is received from Companies in Sustainalytics' Coverage Universe that are a part of Sustainalytics ESG Risk Ratings and controversy research is n into consideration, and whenever relevant included;

Date on which information has been last updated and reason for the update:	September 2024, Index launch
c) Reference standards  Describe the international standards used in the benchmark methodology.	Controversial Weapons Controversial Weapons include Non-proliferation Treaty (1968), Biological and Toxin Weapons Convention (1972), Chemical Weapons Convention (1997), Anti-Personnel Mine Ban Convention (1999), Convention on Cluster Munitions (2008), United Nations Convention on Certain Conventional Weapons (1980), and Convention on the Physical Protection of Nuclear Material (1980).
	<ul> <li>Data and deliverable management</li> <li>Quality and reliability of Sustainalytics Covered Company and identifier data through automated quality assurance;</li> <li>Quality and reliability of Sustainalytics proprietary (i.e. research) data through automated quality assurance, prior to publication;</li> <li>Quality and reliability of standard deliverables through end-of-gate quality assurance process.</li> <li>Quality and reliability of custom client deliverables through end-of-gate quality assurance processes (automated and manual);</li> <li>Monitoring and investigating ESG score fluctuations and their root causes using automated tools.</li> <li>Update cycle</li> <li>Sustainalytics aims for annual updates of management indicators for the Covered Companies;</li> <li>Continuous updates are made as incidents occur and feed into updates of event indicators, which is not disclosure driven;</li> <li>Annual updates to the rating framework (selection of material ESG issues, weighting of indicators).</li> </ul>
	<ul> <li>Quality reviews of ESG assessments before publication;          O Reviewing controversy ratings by the Events Oversight Committee - focus on controversy level changes to and from level 4 and 5.</li> </ul>

### **Disclaimer**

BLOOMBERG, BLOOMBERG INDICES and the Bloomberg Artificial Intelligence Select Index (the "Indices") are trademarks or service marks of Bloomberg Finance L.P. Bloomberg Finance L.P. and its affiliates, including Bloomberg Index Services Limited, the administrator of the Indices (collectively, "Bloomberg") or Bloomberg's licensors own all proprietary rights in the Indices. Bloomberg does not guarantee the timeliness, accuracy or completeness of any data or information relating to the Indices. Bloomberg makes no warranty, express or implied, as to the Indices or any data or values relating thereto or results to be obtained therefrom, and expressly disclaims all warranties of merchantability and fitness for a particular purpose with respect thereto. It is not possible to invest directly in an Index. Back-tested performance is not actual performance. Past performance is not an indication of future results. To the maximum extent allowed by law, Bloomberg, its licensors, and its and their respective employees, contractors, agents, suppliers and vendors shall have no liability or responsibility whatsoever for any injury or damages - whether direct, indirect, consequential, incidental, punitive or otherwise - arising in connection with the Indices or any data or values relating thereto - whether arising from their negligence or otherwise. This document constitutes the provision of factual information, rather than financial product advice. Nothing in the Indices shall constitute or be construed as an offering of financial instruments or as investment advice or investment recommendations (i.e., recommendations as to whether or not to "buy", "sell", "hold", or to enter or not to enter into any other transaction involving any specific interest or interests) by Bloomberg or a recommendation as to an investment or other strategy by Bloomberg. Data and other information available via the Indices should not be considered as information sufficient upon which to base an investment decision. All information provided by the Indices is impersonal and not tailored to the needs of any person, entity or group of persons. Bloomberg does not express an opinion on the future or expected value of any security or other interest and do not explicitly or implicitly recommend or suggest an investment strategy of any kind. Customers should consider obtaining independent advice before making any financial decisions. © 2025 Bloomberg. All rights reserved. This document and its contents may not be forwarded or redistributed without the prior consent of Bloomberg.

The BLOOMBERG TERMINAL service and Bloomberg data products (the "Services") are owned and distributed by Bloomberg Finance L.P. ("BFLP") except (i) in Argentina, Australia and certain jurisdictions in the Pacific islands, Bermuda, China, India, Japan, Korea and New Zealand, where Bloomberg L.P. and its subsidiaries distribute these products, and (ii) in Singapore and the jurisdictions serviced by Bloomberg's Singapore office, where a subsidiary of BFLP distributes these products.

## Take the next step.

For additional information, please contact the Bloomberg Helpdesk or log into the Customer Service Center at

https://service.bloomberg.com

mups.//scrvice.bioomberg.com

Beijing

+86 10 6649 7500

Dubai

+971 4 364 1000

Frankfurt

+49 69 9204 1210

Hong Kong

+852 2977 6000

London

+44 20 7330 7500

Mumbai

+91 22 6120 3600

**New York** 

+1 212 318 2000

San Francisco

+1 415 912 2960

**São Paulo** +55 11 2395 9000 Singapore

+65 6212 1000

Sydney

+61 2 9777 8600

Tokyo

+81 3 4565 8900