Bloomberg Al Value Chain Index Methodology

September 2024

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Introduction

The Bloomberg AI Value Chain Index is constructed to track the performance of cloud computing, semiconductor, and hardware companies focused on the next generation of computing needs. The Index includes the top 45 companies that are part of the Cloud and Artificial Intelligence ecosystems according to Bloomberg Intelligence (BI). The Index is equal weighted.

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.

Section 1: Overview

| Name | Bloomberg Al Value Chain Index | | | |
|----------------|--------------------------------|--|--|--|
| Base date | 2022-04-18 | | | |
| Inception Date | 2024-09-06 | | | |
| Rebalance | Quarterly | | | |
| Publication | Weekdays | | | |
| Currency | USD | | | |
| | BAIV (Price Return) | | | |
| Tickers | BAIVT (Total Return) | | | |
| | BAIVN (Net Return) | | | |

Section 2: Index Eligibility Process

Parent Universe

To be selected for the Bloomberg Al Value Chain Index, a security must be a member of the Bloomberg World Aggregate universe. Please refer to the Bloomberg Global Equity Indices Methodology for additional details.

Theme Eligibility

A security must belong to either one of the following segments:

- Cloud ecosystem as determined by Bloomberg Intelligence (BI), and within that ecosystem, be a part of the IaaS & PaaS (Infrastructure-as-a-Service & Platform-as-a-Service, respectively) category.
- Artificial Intelligence ecosystem as determined by Bloomberg Intelligence (BI), and within that ecosystem, be a part of the Semiconductors and Hardware categories. In addition, a security may be a part of the Hyperscaler category if it belongs to the Tech Hardware & Semiconductors segments according to the Bloomberg Industry Classification Standard (BICS) level 3 codes: 191010 & 191011.

Within both the Cloud and Artificial Intelligence ecosystems, 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. For more information on the construction of the Cloud and Artificial Intelligence universes by BI, please refer to the Bloomberg Thematic Protocol.

Exchange Eligibility

A security must not be listed on the following exchanges.

| Exchange Code | Exchange Name | | | | |
|---------------|----------------------------------|--|--|--|--|
| IB | BSE India | | | | |
| IS | National Stock Exchange of India | | | | |
| EC | Egyptian Exchange | | | | |
| PW | Warsaw Stock Exchange | | | | |

Market Capitalization Eligibility

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

Liquidity Eliqibility

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

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.

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. Further, the securities are grouped into three categories: Cloud, Al Hardware, and Al Semiconductors. The sub-categories in the table below are determined according to the Theme Eligibility section above.

If a security is a member of two or more categories, then the security is assigned to a particular category based on the Revenue Assessment. If there is a tie in the Revenue Assessment, then it is assigned based on the Theme Assessment. If there is a tie in the Theme Assessment, then it is assigned based on the category that has the least number of constituents in it. Please refer to the Bloomberg Thematic Protocol for additional details on the determination of Revenue Assessment and Theme Assessment.

| Category | Sub-Category | Source | | | |
|-------------------|---|----------------------------------|--|--|--|
| Cloud | laas & PaaS | Bloomberg Intelligence | | | |
| Al Hardware | Hardware | Bloomberg Intelligence | | | |
| Al Hardware | Hyperscaler & BICS Level 3 Code = 191010 | Bloomberg Intelligence & BICS | | | |
| AI Semiconductors | Semiconductors | Bloomberg Intelligence | | | |
| Al Semiconductors | Hyperscaler & BICS Level 3 Code = 191011 | Bloomberg Intelligence & BICS | | | |

The top 15 securities within each group by Issuer Free Float Market Capitalization are selected for inclusion in the Index. The Issuer Free Float Market Capitalization is the aggregate free float market capitalization of all securities for a particular issuer.

Index Weighting

The Index is equal weighted. The weights, W_i , are assigned as follows.

$$W_i = \frac{1}{M}$$

Where:

 W_i Weight of security i Number of Index members

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 1st Friday in January, April, July, and October.

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 2nd Friday in January, April, July, and October.

Index Effective Date

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

| | | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|------------------------------|------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Selection Date (Eligibility) | 1 st Friday | Χ | | | X | | | Χ | | | Χ | | |
| Selection Date (Weighting) | 1 st Friday | Χ | | | Х | | | Χ | | | Χ | | |
| Announcement Date | 2 nd Friday | Х | | | Х | | | Χ | | | Х | | |
| Effective Date | 3 rd 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.

Section 5: Risks and Limitations

Risks

The following is a summary of certain risks associated with the Index but is not meant to be an exhaustive list of all risks associated with the Index. Although the Index is designed to be representative of the markets it is measuring, it may not be representative of every use case. There is also inherent, though transparent, judgment in its construction, as outlined in this Methodology. The Index is designed for general applicability and not to address the individual circumstances and needs of users. BISL does not advise about the usefulness of the Index to a particular circumstance; users are therefore encouraged to seek their own counsel for such matters. This Methodology is subject to change, which may impact its usefulness to users. Although efforts will be made to alert users of any change, every individual user may not be aware of them. Such changes may also significantly impact the usefulness of the Index. BISL may also decide to cease publication of this Index. BISL maintains internal policies regarding user transitions, but no guarantee is given that an adequate alternative is available generally or for a particular use case. Markets for stocks, as with all markets, can be volatile. As the Index is designed to measure this market, it could be materially impacted by market movements, thus significantly affecting the use or usefulness of the Index for some or all users. Also, certain equity markets are less liquid than others – even the most liquid markets may suffer periods of illiquidity. Illiquidity can have an impact on the quality or amount of data available to BISL for calculation and may cause the Index to produce unpredictable results.

Limitations of the index

Though the Index is designed to be representative of the markets it measures or otherwise aligns with its stated objective, it may not be representative in every case or achieve its stated objective in all instances. It is designed and calculated strictly to follow the rules of this Methodology, and any Index level or other output is limited in its usefulness to such design and calculation.

Markets can be volatile, including those market interests that the Index measures or upon which the Index is dependent to achieve its stated objective. For example, illiquidity can have an impact on the quality or amount of data available to the administrator for calculation and may cause the Index to produce unpredictable or unanticipated results.

In addition, market trends and changes to market structure may render the objective of the Index unachievable or to become impractical to replicate by investors.

In particular, the Index measures global equity markets. As with all equity investing, the Index is exposed to market risk. The value of equities fluctuate with the changes in economic forecasts, interest rate policies established by central banks and perceived geopolitical risk. The Index does not take into account the cost of replication and as a result a tracking portfolio's returns will underperform the Index with all else equal. As the Index is designed to measure those markets, it could be materially impacted by market movements, thus significantly impacting the use or usefulness of the fixings for some or all users.

In addition, certain sub-indices may be designed to measure smaller subsets of the Index such as specific styles, size, and sector. Some of these sub-indices have very few qualifying constituents and may have none for a period of time. During such period, the sub-index will continue to be published at its last value, effectively reporting a 0% return, until new constituents qualify. If no constituents are expected to qualify (due to changes in market structure and other factors), the sub-index may be discontinued. In such an event, this discontinuation will be announced to index users.

Section 6: Benchmark Oversight and Governance

Benchmark Governance Structure

Please refer to the BISL Benchmark Procedures Handbook available here.

Index and data reviews

Please refer to the BISL Benchmark Procedures Handbook available here.

Expert judgement

Please refer to the BISL Benchmark Procedures Handbook available here.

Conflicts of interest

Please refer to the BISL Benchmark Procedures Handbook available here.

Restatement policy

Please refer to the BISL Benchmark Procedures Handbook available <u>here</u>.

Cessation policy

Please refer to the BISL Benchmark Procedures Handbook available here.

Appendix A: ESG Disclosure

| EXPLANATION OF HOW ESG FACTORS ARE REFLECTED IN THE KEY ELEMENTS OF THE BENCHMARK METHODOLOGY | | | | | |
|--|--|--|--|--|--|
| Item 1. Name of the benchmark administrator. | Bloomberg Index Services Limited ("BISL") | | | | |
| Item 2. Type of benchmark or family of benchmarks. | Equity | | | | |
| Choose the relevant underlying asset from the list provided in Annex II to Commission Delegated Regulation (EU)2020/1816. | | | | | |
| Item 3. Name of the benchmark or family of benchmarks. | Bloomberg Al Value Chain Index | | | | |
| Item 4. Does the benchmark methodology for the benchmark or family of benchmarks take into account ESG factors? | No | | | | |
| Item 5 . Where the response to Item 4 is positive, please list below, for each family of benchmark into account in the benchmark methodology, taking into account the ESG factors listed in Annex 2020/1816. | | | | | |
| Please explain how those ESG factors are used for the selection, weighting or exclusion of under | lying assets. | | | | |
| The ESG factors shall be disclosed at an aggregated weighted average value at the level of the f | amily of benchmarks. | | | | |
| (a) List of environmental factors considered: | Not applicable | | | | |
| (b) List of social factors considered: | Not applicable | | | | |
| (c) List of governance factors considered | Not applicable | | | | |
| Item 6 . Where the response to Item 4 is positive, please list below, for each benchmark, those E account in the benchmark methodology, taking into account the ESG factors listed in Annex II to 2020/1816, depending on the relevant underlying asset concerned. | | | | | |
| Please explain how those ESG factors are used for the selection, weighting or exclusion of under | lying assets. | | | | |
| The ESG factors shall not be disclosed for each constituent of the benchmark, but shall be disclo average value of the benchmark. | sed at an aggregated weighted | | | | |
| Alternatively, all of this information may be provided in the form of a hyperlink to a website of th included in this explanation. The information on the website shall be easily available and accessi shall ensure that information published on their website remains available for five years. | | | | | |
| (a) List of environmental factors considered: | As above | | | | |
| (b) List of social factors considered: | As above | | | | |
| (c) List of governance factors considered: | As above | | | | |
| Item 7. Data and standards used | | | | | |
| (a) Data input. | Not Applicable | | | | |
| (i)Describe whether the data are reported, modelled or sourced internally or externally. | | | | | |
| (ii)Where the data are reported, modelled or sourced externally, please name the third party data provider. | | | | | |
| (b) Verification and quality of data. | Not Applicable | | | | |
| Describe how data are verified and how the quality of those data is ensured. | | | | | |
| (c) Reference standards | Not Applicable | | | | |
| Describe the international standards used in the benchmark methodology. | | | | | |
| Date on which information has been last updated and reason for the update: | September 2024 | | | | |

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