

Announcement

Methodology change of the Indxx Global Fintech and Decentralized Finance Index

New York – March 31, 2023 - Effective March 31, 2023 the following are the changes in the methodology of the Indxx Global Fintech and Decentralized Finance Index:

- Security Selection process (Section 1.3)
- Final Composition (Section 1.4)
- Buffer Rules (Section 1.6)
- Semi-annual Review (Section 1.8)

Below is the amended methodology which will be effective from March 31, 2023.

March 2023

INDXX GLOBAL FINTECH AND DECENTRALIZED FINANCE INDEX METHODOLOGY

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1. INDXX GLOBAL FINTECH AND DECENTRALIZED FINANCE INDEX

1.1 INDEX DESCRIPTION

The Indxx Global Fintech and Decentralized Finance Index includes companies offering technology-driven financial services and facilitating a decentralized finance infrastructure that are disrupting existing business models in the financial services industry.

The index has a base date of June 17, 2016 with an initial value of 1,000.

The index is currently available in the following version:

- Price Return
- Total Return
- Net Total Return

1.2 CREATION OF MASTER LIST

1.2.1 Initial Universe

To be eligible for inclusion in the Initial Universe, securities must have:

- Their listing in Developed and Emerging Markets as defined by Indxx in its 'Country Classification and Investability Requirements' document.
- A minimum total market capitalization of \$1 Billion.
- A 6-month average daily turnover greater than or equal to \$2 million and \$1 million for developed and emerging markets respectively.
- The security must have traded on 90% of the eligible trading days in the last 6 months. In case a security does not have a trading history of 6 months (only IPOs), such a security must have started trading at least 3 months before the start of the Reconstitution/Rebalancing Process and should have traded on 90% of the eligible trading days for the past 3 months.

1.2.2 Free Float

All securities must have a minimum free float equivalent to 10% of shares outstanding.

1.2.3 Maximum Price

Securities trading at a price of \$10,000 or above are ineligible for inclusion in the Index. This rule is not applicable for existing constituents. Existing constituents shall remain in the Initial universe irrespective of their stock price.

1.2.4 Security Type

The following security types are eligible for inclusion:

- Common Stock
- GDR
- ADR

1.2.5 Share Classes

- The existing share class/listing in the portfolio is retained if it satisfies all the eligibility criteria of the index.
- The most liquid share class/listing is considered for inclusion.

1.3 SECURITY SELECTION PROCESS

Based on extensive research, Indxx has defined Global Fintech and Decentralized Finance as being comprised of the following sub-themes:

Sub-Theme	Description
Digital Payments	This sub-theme seeks to cover companies that provide digital modes of payments, such as mobile, online, and digital wallets. Includes prepaid cards, money transfer services and clearing houses. Companies providing software/solutions that enable digital payment are also considered. (PP: Buy now pay later concept)
Credit Analysis and Scoring	The companies that offer credit information, analysis, and scores.
Financial Data Provider and Analyzer	The companies that provide financial, tax, accounting, and corporate data. Includes companies offering analytical and indexing solutions.
Point-of-Sale (POS)	This sub-theme seeks to cover companies that facilitate the point-of-sale infrastructure such as POS machines and payment gateways. Includes companies offering enterprise solutions for payment services or integrated system for mobile commerce and eCommerce payments along with POS.
Personal Finance Software and Credit/debit card issuers	This sub-theme seeks to cover companies that provide software or solutions related to personal finance such as loans, wealth management, insurance, and trading. Issuers of credit and debit cards are also considered.
Tax Compliance Software and Backend Payment Processing	These are companies that offer solutions and software for backend payment process such as e-invoicing, supplier/payment management, and resource allocation; and tax compliance.
Decentralized Finance	This sub-theme seeks to cover companies that facilitate the blockchain infrastructure or involved in developing blockchain technology. This sub-theme also covers companies that provide services related to cryptocurrencies, such as crypto mining, crypto trading, and crypto wallets.
Financial Enterprise Solutions	These are companies that provide scalable technology solutions focused on disrupting traditional areas of financial

	services for enterprises such as treasury/investment management, consumer finance, accounts/asset management, and banking operations.
Peer-to-Peer Lending and Crowdfunding	This sub-theme seeks to cover companies that facilitate peer to peer finance/lending and crowdfunding. Includes companies that offer supply chain finance solutions.

Companies involved in business activities associated with these sub-themes will be eligible for inclusion.

Pure Play - Companies that derive revenue greater than or equal to 50% from the above sub-themes are considered as 'Pure Play'. Such companies are included in the 'Selection List' for the index.

Quasi Play - Companies that derive revenue greater than or equal to 20%, but less than 50% from the above sub-themes are considered as 'Quasi Play'. Such companies are also included in the 'Selection List' for the index

The sub-themes identified through this research-based approach are subject to change at the time of the reconstitution.

1.4 FINAL COMPOSITION

From the selection list:

- Top 50 Pure Play and Quasi Play companies by largest market capitalization will form the final index.
- In the top 50, a cap of 25 companies with United States as domicile country will be applied.
- If fewer than 50 companies qualify for inclusion in the index, all of the qualifying Pure Play and Quasi Play companies will comprise the index with no capping on domicile country.

1.5 WEIGHTING

The index is weighted as follows:

- Components are weighted based on their security-level market capitalization.
- A single security can have a maximum weight of 6%. The excess weight is redistributed proportionately amongst the uncapped securities.
- A single security must have a minimum weight of 0.3%. The required weight is derived proportionately from the uncapped securities.
- The aggregate weight of securities with weight greater than or equal to 5% must not exceed 40%. In case the aggregate weight exceeds 40%, a secondary cap of 4.5% is applied. The excess weight is redistributed proportionately amongst the uncapped securities.

1.6 BUFFER RULES

Buffer Rules are employed to reduce Portfolio Turnover. The following buffer rules apply:

1.6.1 Market Capitalization

A constituent shall continue to be included in the Initial Universe if its market capitalization is greater than or equal to 80% of the previously defined market capitalization limit. To illustrate, if an existing index member qualifies all other selection criteria but doesn't qualify the market capitalization criteria to the extent of 20% deviation then it will be retained in the investible universe.

1.6.2 Liquidity

A constituent shall continue to be included in the Initial Universe if its 6-month ADTV is greater than or equal to 70% of the previously defined liquidity limit. To illustrate, if an existing index member qualifies all other selection criteria but doesn't qualify liquidity criteria to the extent of 30% deviation then it will be retained in the investible universe.

1.6.3 Continued Representation in the Portfolio

An existing index constituent shall continue to remain in the index if it is part of the top 60 companies by market cap, even if it isn't a part of the top 50 constituents. Any changes made to maintain the existing representation will continue to follow the country-based criteria for final selection.

1.7 RECONSTITUTION AND REBALANCING RULES

- The index follows an annual reconstitution and quarterly rebalancing schedule. The reconstituted portfolio becomes effective at the close of third Friday of June each year. This day is called the 'Reconstitution Effective Day'. The rebalanced portfolio becomes effective at the close of third Friday of March, June, September, and December each year. This day is called the 'Rebalance Effective Day.'
- The security selection and portfolio creation process start on the close of the nearest Friday falling at least one month before the Reconstitution Effective Day, called the 'Selection Day.' The selection list is created based on the data as of the Selection Day.
- Weights are calculated at the close of the Seventh trading day prior (six trading days prior) to the Reconstitution Effective Day (or the Rebalance Effective Day). Index Shares are frozen using weights as of this day.

1.8 SEMI-ANNUAL REVIEW

To effectively capture IPOs and changes in the structure of a company's business due to corporate actions, the index composition will be reviewed on a Semi-Annual basis.

- Any new addition or deletion to the index becomes effective on the close of third Friday of December. This day is called the 'Review Effective Day.'
- The selection date shall be the nearest Friday falling at least one month before the Review Effective Day. This day is called the 'Review Selection Day.'
- The weights calculation shall take place at the close of the seventh trading day prior to the Review Effective Day. This day is called the 'Review Weight Freeze Day.'

On the 'Review Selection Day', the following evaluations are partaken:

- IPO Review-
 - For IPOs with less than 6 calendar months of trading history as of the 'Review Selection Date' to be considered for inclusion, the IPO must have been listed at least 3 calendar months prior to the 'Review Selection Day'.
 - Additionally, the security must have traded on 90% of the eligible trading days for the 3 months preceding the 'Review Selection Day'.
 - Finally, the security must have an available average daily turnover greater than or equal to \$2 million and \$1 million for developed and emerging markets respectively. If an IPO meets aforesaid criteria and all other standard criteria outlined in section 1.2, then it will be eligible for inclusion in the index.
 - To qualify for inclusion, all IPOs must be 'Pure Play' and 'Quasi Play' Fintech IPOs that satisfy the above conditions.
 - At the semi-annual review, it is possible for the final portfolio count to exceed its limit of 50 because of an IPO addition.
- Corporate Action Review – At the time of review, all existing index constituents are checked for corporate actions that have become effective in the last 6 calendar months and that have significantly altered the company's business operations. These corporate actions include Spinoffs, Mergers or Acquisitions, divestiture, etc., that may significantly change the fundamentals of a company's business operations. Only companies that still comply to the index objectives will be retained in the index.

Any change (addition/ deletion) in the index composition due to the IPO review and/or Corporate Action Review will be determined as of 'Review Selection Day', where new weights shall be calculated as below.

- Addition/Deletion – Additions/deletions shall be weighted as per the methodology outlined in section 1.5. The difference in the weights (from additions/deletions) shall be proportionately adjusted (added/removed) among the remaining constituents based on the security level market capitalization.

1.9 CORPORATE ACTIONS

The corporate action guidebook is present in the Announcements section of our website, under 'Index Documents.'

2. APPENDIX

2.1 METHODOLOGY CHANGES

Methodology changes since December 2021 are as follows:

Section	Previous Value	New Value	Effective Date (close)
1.8		At the semi-annual review, it is possible for the final portfolio count to exceed its limit of 100 because of an IPO addition.	December 09, 2021
1.3		<ul style="list-style-type: none"> Pure Play - Companies that derive revenue greater than or equal to 50% from the above sub-themes are considered as 'Pure Play'. Such companies are included in the 'Selection List' for the index. Quasi Play - Companies that derive revenue greater than or equal to 20%, but less than 50% from the above sub-themes are considered as 'Quasi Play'. Such companies are also included in the 'Selection List' for the index. 	March 31, 2023
1.4	<ul style="list-style-type: none"> Top 100 Pure Play and Quasi Play companies by largest market capitalization will form the final index. In the top 100, a cap of 50 companies with United States as domicile country will be applied. If fewer than 100 companies qualify for inclusion in the index, all of the qualifying Pure Play and Quasi Play companies will comprise the index with no capping on domicile country. 	<ul style="list-style-type: none"> Top 50 Pure Play and Quasi Play companies by largest market capitalization will form the final index. In the top 50, a cap of 25 companies with United States as domicile country will be applied. If fewer than 50 companies qualify for inclusion in the index, all of the qualifying Pure Play and Quasi Play companies will comprise the index with no capping on domicile country. 	March 31, 2023

1.6.3	An existing index constituent shall continue to remain in the index if it is part of the top 120 companies by market cap, even if it isn't a part of the top 100 constituents. Any changes made to maintain the existing representation will continue to follow the country-based criteria for final selection.	An existing index constituent shall continue to remain in the index if it is part of the top 60 companies by market cap, even if it isn't a part of the top 50 constituents. Any changes made to maintain the existing representation will continue to follow the country-based criteria for final selection.	March 31, 2023
1.8	At the semi-annual review, it is possible for the final portfolio count to exceed its limit of 100 because of an IPO addition.	At the semi-annual review, it is possible for the final portfolio count to exceed its limit of 50 because of an IPO addition.	March 31, 2023

3. DISCLAIMER

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