

FOR PUBLIC DISTRIBUTION IN THE U.S., CANADA, HONG KONG, SINGAPORE, AND AUSTRALIA.
FOR INSTITUTIONAL, WHOLESALE, QUALIFIED INVESTORS, AND PROFESSIONAL AND QUALIFIED INVESTORS/CLIENTS IN OTHER PERMITTED COUNTRIES.

ISHARES INVESTIGATES: ETF MARKET REALITIES

Answers to 10 popular questions about ETFs

Authors

Samantha Merwin, CFAHead of ETF Markets Advocacy

Rajat Tiwari ETF Markets Advocacy, EMEA **Shreya Adiraju** ETF Markets Advocacy, US

Markets Advocacy, US ETF Markets Advocacy, US

Alec Woodworth, CFA

Winnie Khattar Head of ETF & Index Investing Market Structure, APAC

1. How do ETFs impact market liquidity?

Exchange-traded funds (ETFs) are unique; they provide exposure to a diversified collection of assets, like a mutual fund, but trade on exchange, like a stock. This structure makes the liquidity of ETFs unique, too.

Liquidity refers to the ease of buying or selling a security. ETFs have two layers of liquidity: *primary* market liquidity, which is provided by the underlying securities or instruments of the ETF, and *secondary* market liquidity, which is provided by the ability to trade ETFs on exchange.

This means that ETFs are **net contributors** to market liquidity. At a minimum, an ETF will be as liquid as its underlying securities or instruments; often, however, ETFs provide even greater market liquidity than their underlying instruments.

2. Do ETFs drive the direction of markets?

Given the size of some of the largest ETFs, one might think that buying and selling within those funds significantly moves market prices.

In fact, asset allocation decisions made by asset owners, such as pension funds and individuals, drive flows into different asset classes, sectors, and geographies.

Their allocation decisions are guided by factors such as macroeconomic developments (like global interest rate policy), risk preferences, and investment horizon.

ETFs are just **one way** for investors to express their views about the market. If ETFs didn't exist, investors could use other tools, like single stocks, mutual funds, and derivatives.

3. Do ETFs increase market volatility?

Typically, no. In fact, ETFs globally have acted as "**shock absorbers**" during many volatile trading sessions as buyers and sellers transacted on the exchange, at real-time prices, without having to trade the underlying stocks and bonds.¹

What's more, since ETF shares are traded directly by buyers and sellers on-exchange, an ETF can circumvent "forced selling," something a mutual fund may need to do when investors want to sell their shares. This means that most ETF trading occurs without transactions taking place in the underlying securities. For more information about the differences between ETFs and mutual funds, please see the end of this document.

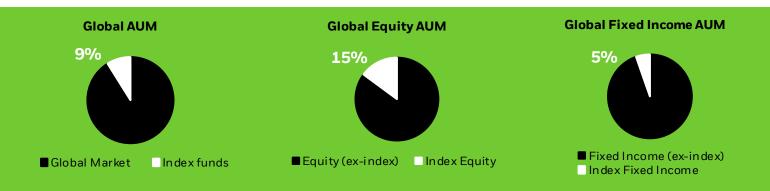
All figures in USD unless otherwise noted.

iShares.com

4. How big is the index market?

There are roughly \$22.4 trillion of index assets worldwide (\$15.7 in equity and \$6.6 in fixed income). This means that index assets, including ETFs and mutual funds, represent just under 10% of the global market capitalization, or dollar value of the global market.

Even within the United States—the largest index market—index assets are a **fraction** of the total financial market. Approximately 25% of the total assets invested in U.S. equities are in U.S.-listed equity index products.⁴ In fixed income, just 5% of the total U.S. bond market is in indexed assets.⁵



5. Are all exchange-traded products (ETPs) the same?

While all exchange-traded products share certain characteristics, some have embedded structural risks that go beyond the scope of "plain vanilla" ETFs.

Generally, a "traditional" ETF is a publicly offered investment fund that:

- · Trades on an exchange
- · Seeks to track an index of stocks, bonds, or other investment instruments
- Does not seek to provide a leveraged or inverse return

Investors need to understand what they own. BlackRock, along with others in the industry, has called for a clear-cut ETP naming convention to better serve investors.⁶

6. Do index rebalances make index investing less efficient?

Indices are periodically rebalanced as changes in market prices affect the relative weightings of individual securities in the index. Because index funds seek to track an index, they also adjust when index rebalances happen.

There are a **multitude of decisions** that must be made leading up to and during index rebalances. At BlackRock, professional index fund managers take a disciplined approach to managing rebalances as they seek to deliver fund performance outcomes that align with index performance.⁷

Some actively managed funds, like hedge funds, may use knowledge of the indexing process to seek to generate returns by capturing price movements in names added or removed from the index during rebalances, or by predicting index inclusions and deletions before these changes are announced. Even so, this has minimal impact on index funds.

All figures in USD unless otherwise noted.

iShares by BlackRock

7. How does BlackRock measure investment performance for index ETFs?

Investment performance is how we deliver quality to our investors. It's not only how well our index book tracks an index, but also encompasses the market quality of our ETFs, or their ability to offer liquidity, price discovery, and efficient access to markets in all market conditions.

Market quality can be evaluated by looking at an ETF's **trading dynamics** (such as its average daily volume and bidask spread), **premium/discount behavior** (which can be indicative of primary market efficiency or the ETF's utility as a price discovery vehicle), and its **impact on underlying markets** (as measured by the ratio of its secondary market activity to its primary market activity and by the ratio of stock trading that results from the ETF's creation and redemption activity).

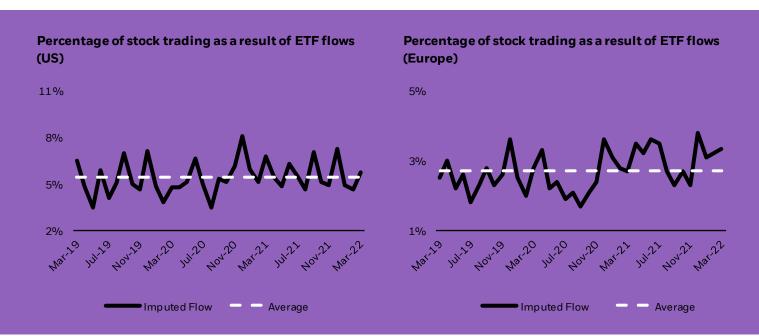
Tracking can be measured by the ETF's **tracking difference**—the difference between the ETF's return and that of its benchmark index—and **tracking volatility**, which measures the standard deviation (i.e., the volatility) of tracking difference month-over-month.

8. How do ETFs impact stock prices?

Questions sometimes arise about whether ETFs influence the prices of the stocks they hold. In short, the majority of ETF activity doesn't affect the market prices of underlying stocks.

From the period March 2019 through March 2022, approximately 5% of trading volume in U.S. equities has been attributable to ETF activity, while in Europe, just 2.7% of trading in individual European stocks has been attributable to ETF flows.⁸

This is because roughly 80% of U.S. ETF activity takes place on-exchange between buyers and sellers of ETF shares, which means that, most of the time, shares of underlying stocks do not need to be bought or sold to adjust for changes in investor demand.⁹





9. What would happen if an authorized participant or market maker withdrew from the ETF market?

An authorized participant (AP) is a financial institution that manages the creation and redemption of ETF shares in the primary market. Each AP has an agreement with an ETF sponsor that gives it the right (but not the obligation) to create and redeem ETF shares. APs may act on their own, or on behalf of market participants.

Market makers are broker-dealers that regularly provide two-sided (buy and sell) quotes to clients. In some instances, an ETF's market makers may also be APs.

APs and market makers operate in a highly competitive environment, and are **economically incentivized** to take part in making or trading ETF shares. Historically, if an AP has withdrawn from the ETF market, other APs have stepped in to facilitate the creation and redemption of ETF shares, particularly if there was a significant premium or discount to its net asset value (NAV), or difference between the price of the ETF and its underlying holdings. This is because APs generally seek to take advantage of economic **arbitrage opportunities** arising from that difference (for example, if an ETF is trading at a price above its NAV, an AP could buy the underlying securities and exchange them with the ETF issuer for newly created ETF shares, which may then be sold in the market for a profit).

That same incentive holds true for market makers as well.

Ultimately it is this "arbitrage mechanism" that helps keep the ETF's market price close to the value of its underlying holdings each day.

10. What role do ETFs play in price discovery?

Price discovery helps investors identify the proper market price of securities or other instruments based on factors like supply and demand. The on exchange trading of ETFs plays an important role in price discovery across markets, sectors and individual stocks. For example, international ETFs traded during U.S. market hours help investors set prices daily when non-U.S. markets are closed. Additionally, during suspensions of international stocks or markets, U.S.-domiciled ETFs may be the **primary source** of pricing information available to market participants.

ETF flows provide crucial information. As greater numbers of investors use ETFs to express their views, flows from one asset to another can serve as indicators of investor sentiment about potential risk and return.

Note that ETFs don't set prices or drive volatility. They hold up a mirror to what investors are thinking.



Endnotes

- **1** Source: International Organization of Securities Commission "Exchange Traded Funds Thematic Note Findings and Observations during COVID-19 induced market stresses" (August 2021).
- 2 Source: World Federation of Exchanges, Bank for International Settlements (BIS) (as of 31 December 2020).
- 3 Source: Simfund/Broadridge, McKinsey, Markit (as of 31 December 2020).
- 4 Source: Simfund/Broadridge, McKinsey, Markit, World Federation of Exchanges (as of 31 December 2020).
- **5** Source: Bank for International Settlements, Simfund/Broadridge, McKinsey, Markit (as of 31 December 2020).
- **6** For more information on ETP classifications, see <u>letter to the exchanges regarding ETP classification</u>.
- **7** For more information on equity index rebalances, see <u>iShares Investigates</u>: <u>Market indexes and index investing</u> | Part 2: <u>Equity index rebalances</u>.
- **8** Source: Bloomberg, Markit, BlackRock. As of 31 March 2022. Derived from the collective weight of flows into all ETFs holding all U.S. stocks on a monthly basis from 2019 through 2022.
- 9 Source: BlackRock, Form N-CEN. As of 31 March 2021.



ETFs and mutual funds: Know the differences

- **Strategy:** Fund management styles are typically categorised as "active" or "index". Active funds (most mutual funds) seek to outperform market indices, while "index" funds (some mutual funds and most ETFs) seek to match the fund's performance to an established market index, such as the S&P 500.
- **Trading:** Mutual funds are bought and sold directly from the mutual fund company at the current day's closing price, or the Net Asset Value (NAV). ETFs are traded throughout the day at the current market price, like a stock, and may cost slightly more or less than NAV. Mutual fund transactions do not include commissions to a brokerage, while some ETF transactions do.
- **Transaction fees:** For mutual funds, transaction fees may include sales charges (sales loads) or redemption fees. These are paid directly by investors. ETF transactions may include brokerage commissions (like stocks), which are paid directly by investors.
- Tax implications: Mutual fund shareholders redeem shares directly from the fund, so the fund manager must often sell fund securities to honour redemptions, potentially triggering capital gains for the fund's remaining shareholders. Because ETF investors buy and sell shares with other investors on an exchange, the ETF manager doesn't have to sell holdings potentially creating capital gains to meet investor redemptions. ETF shareholders can incur tax consequences when they sell shares on the exchange, but that tax consequence is not passed on to other ETF shareholders.
- Transparency: ETFs generally disclose holdings daily. Mutual funds generally disclose holdings quarterly.

	Mutual Funds	Index Mutual Funds	ETFs	Stocks/Bonds
Diversified	√	✓	√	
Traded on exchange			√	✓
Intraday pricing			√	V
Intraday trading			√	√
Management fees	√	✓	√	
Commission fees			√	✓
Tax management*			√	✓

^{*} Due to fund structure, mutual fund holders may be subject to taxable capital gains distributions due to other investors' redemptions directly to the mutual fund. Taxable capital gain distributions can occur to ETF investors based on stocks trading within the fund as the ETF creates and redeems shares and rebalances its holdings. ETFs and stocks will also distribute taxable capital gains when an investor sells their own shares. Certain traditional mutual funds can also be tax efficient.



Risks

Capital at risk. The value of investments and the income from them can fall as well as rise and are not guaranteed. Investors may not get back the amount originally invested.

Past performance is not a reliable indicator of current or future results and should not be the sole factor of consideration when selecting a product or strategy.

Changes in the rates of exchange between currencies may cause the value of investments to diminish or increase. Fluctuation may be particularly marked in the case of a higher volatility fund and the value of an investment may fall suddenly and substantially. Levels and basis of taxation may change from time to time.

All figures are denominated in U.S. dollars, unless otherwise noted.

This material is intended for the following audiences in each respective country or region: In the U.S. public distribution. In Canada: public distribution. In the UK and EEA: Professional Clients (as defined by the Financial Conduct Authority or MiFID Rules) and Qualified Investors only and should not be relied upon by any other persons.

Important Information about iShares ETFs

For U.S. investors: Carefully consider the Funds' investment objectives, risk factors, and charges and expenses before investing. This and other information can be found in the Funds' prospectuses or, if available, the summary prospectuses which may be obtained by visiting www.iShares.com or www.blackrock.com. Read the prospectus carefully before investing.

Investing involves risk, including possible loss of principal.

Shares of iShares ETFs may be bought and sold throughout the day on the exchange through any brokerage account. Shares are not individually redeemable from the ETF, however, shares may be redeemed directly from an ETF by Authorized Participants, in very large creation/redemption units. There can be no assurance that an active trading market for shares of an ETF will develop or be maintained. Diversification and asset allocation may not protect against market risk or loss of principal.

Transactions in shares of ETFs may result in brokerage commissions and will generate tax consequences. All regulated investment companies are obliged to distribute portfoliogains to shareholders. When comparing stocks or bonds and ETFs, it should be remembered that management fees associated with fund investments are not borne by investors in individual stocks or bonds.

This material is provided for educational purposes only and is not intended to constitute investment advice or an investment recommendation within the meaning of federal, state or local law. You are solely responsible for evaluating and acting upon the education and information contained in this material. The information and opinions are derived from proprietary and non-proprietary sources deemed by BlackRock to be reliable, are not necessarily all-inclusive and are not guaranteed as to accuracy. BlackRock will not be liable for direct or incidental loss resulting from applying any of the information obtained from these materials or from any other source mentioned. BlackRock does not render any legal, tax or accounting advice and the education and information contained in this material should not be construed as such. Please consult with a qualified professional for these types of advice.

This informations hould not be relied upon as research, investment advice, or a recommendation regarding any products, strategies, or any security in particular. This material is strictly for illustrative, educational, or informational purposes and is subject to change. This material does not constitute an offer or solicitation in any jurisdiction where or to any persons to whom it would be unauthorized or unlawful to do so.



The iShares and BlackRock Funds that are registered with the US Securities and Exchange Commission are distributed in the US by BlackRock Investments, LLC (together with its affiliates, "BlackRock"). This material does not constitute an offeror solicitation to sell or a solicitation of an offer to buy any shares of any Fund (nor shall any such shares be offered or sold to any person) in any jurisdiction in which an offer, solicitation, purchase or sale would be unlawful under the securities law of that jurisdiction.

This material is for distribution to Professional Clients (as defined by the Financial Conduct Authority or MiFID Rules) only and should not be relied upon by any other persons.

In the UK and Non-European Economic Area (EEA) countries: this is Issued by BlackRock Advisors (UK) Limited, which is authorised and regulated by the Financial Conduct Authority. Registered office: 12 Throgmorton Avenue, London, EC2N 2DL, Tel: +44 (0)20 7743 3000. Registered in England and Wales No. 00796793. For your protection, calls are usually recorded. Please refer to the Financial Conduct Authority website for a list of authorised activities conducted by BlackRock.

In the European Economic Area (EEA): this is Issued by BlackRock (Netherlands) B.V. is authorised and regulated by the Netherlands Authority for the Financial Markets. Registered office Amstelplein 1, 1096 HA, Amsterdam, Tel: 020 - 549 5200, Tel: 31 - 20 - 549 - 5200. Trade Register No. 17068311 For your protection telephone calls are usually recorded.

For qualified investors in Switzerland: This document is marketing material. This document shall be exclusively made available to, and directed at, qualified investors as defined in Article 10 (3) of the CISA of 23 June 2006, as amended, at the exclusion of qualified investors with an opting-outpurs uant to Art. 5 (1) of the Swiss Federal Act on Financial Services ("FinSA").

For information on art. 8/9 Financial Services Act (FinSA) and on your client segmentation under art. 4 FinSA, please see the following website: $\underline{www.blackrock.com/finsa}$

In DIFC: The information contained in this document is intended strictly for Professional Clients as defined under the Dubai Financial Services Authority ("DFSA") Conduct of Business (COB) Rules.

The information contained in this document, does not constitute and should not be construed as an offer of, invitation or proposal to make an offer for, recommendation to apply for or an opinion or guidance on a financial product, service and/or strategy. Whilst great care has been taken to ensure that the information contained in this document is accurate, no responsibility can be accepted for any errors, mistakes or omissions or for any action taken in reliance thereon. You may only reproduce, circulate and use this document (or any part of it) with the consent of BlackRock.

The information contained in this document is for information purposes only. It is not intended for and should not be distributed to, or relied upon by, members of the public.

The information contained in this document, may contain statements that are not purely historical in nature but are "forward-looking statements". These include, amongst other things, projections, forecasts or estimates of income. These forward-looking statements are based upon certain assumptions, some of which are described in other relevant documents or materials. If you do not understand the contents of this document, you should consult an authorised financial adviser.

In Singapore, public distribution. Issued by BlackRock (Singapore) Limited (Co. registration no. 200010143N). This advertisement or publication has not been reviewed by the Monetary Authority of Singapore. **In Hong Kong**, public distribution. Issued by BlackRock Asset Management North Asia Limited. This material not been reviewed by the Securities and Futures Commission of Hong Kong.



In South Korea, this information is issued by BlackRock Investment (Korea) Limited. This material is for distribution to the Qualified Professional Investors (as defined in the Financial Investment Services and Capital Market Act and its sub-regulations) and for information or educational purposes only, and does not constitute investment advice or an offer or solicitation to purchase or sells in any securities or any investment strategies. In Taiwan, Professional Investors. Independently operated by BlackRock Investment Management (Taiwan) Limited. Address: 28F., No. 100, Songren Rd., Xinyi Dist., Taipei City 110, Taiwan. Tel: (02)23261600. In Japan, Professional Investors only (Professional Investor is defined in Financial Instruments and Exchange Act). Issued by BlackRock Japan Co., Ltd. (Financial Instruments Business Operator: The Kanto Regional Financial Bureau. License No 375, Association Memberships: Japan Investment Advisers Association, the Investment Trusts Association, Japan, Japan Securities Dealers Association, Type II Financial Instruments Firms Association.) In Australia, issued by BlackRock Investment Management (Australia) Limited ABN 13 006 165 975, AFSL 230 523 (BIMAL). This material provides general information only and does not take into account your individual objectives, financial situation, needs or circumstances. Before making any investment decision, you should assess whether the material is appropriate for you and obtain financial advice tailored to you having regard to your individual objectives, financial situation, needs and circumstances. In China, this may not be distributed to individuals resident in the People's Republic of China ("PRC", for such purposes, excluding Hong Kong, Macau and Taiwan) or entities registered in the PRC unless such parties have received all the required PRC government approvals to participate in any investment or receive any investment advisory or investment management services. In New Zealand, issued by BlackRock Investment Management (Australia) Limited ABN 13006165975, AFSL 230523 (BIMAL) for the exclusive use of the recipient, who warrants by receipt of this material that they are a wholesale client as defined under the Australian Corporations Act 2001 (Cth) and the New Zealand Financial Advisers Act 2008 respectively. This material provides general information only and does not take into account your individual objectives, financial situation, needs or circumstances. Before making any investment decision, you should therefore assess whether the material is appropriate for you and obtain financial advice tailored to you having regard to your individual objectives, financial situation, needs and circumstances. This material is not a financial product recommendation or an offer or solicitation with respect to the purchase or sale of any financial product in any jurisdiction. This material is not intended for distribution to, or use by, any person or entity in any jurisdiction or country where such distribution or use would be contrary to local law or regulation. BIMAL is a part of the global BlackRock Group which comprises of financial product issuers and investment managers around the world. BIMAL is the issuer of financial products and acts as an investment manager in Australia. BIMAL does not offer financial products to persons in New Zealand who are retail investors (as that term is defined in the Financial Markets Conduct Act 2013 (FMCA)). This material does not constitute or relate to such an offer. To the extent that this material does constitute or relate to such an offer of financial products, the offer is only made to, and capable of acceptance by, persons in New Zealand who are wholes ale investors (as that term is defined in the FMCA). BIMAL, its officers, employees and agents believe that the information in this material and the sources on which it is based (which may be sourced from third parties) are correct as at the date of publication. While every care has been taken in the preparation of this material, no warranty of accuracy or reliability is given and no responsibility for the information is accepted by BIMAL, its officers, employees or agents. Except where contrary to law, BIMAL excludes all liability for this information. For Southeast Asia: This document is issued by BlackRock and is intended for the exclusive use of any recipient who warrants, by receipt of this material, that such recipient is an institutional investors or professional/sophisticated/qualified/accredited/expert investor as such term may apply under the relevant legislations in Southeast Asia (for such purposes, includes only Malaysia, the Philippines, Thailand, Brunei and Indonesia). BlackRockdoes not hold any regulatory licenses or registrations in Southeast Asia countries listed above, and is therefore not licensed to conduct any regulated business activity under the relevant laws and regulations as they apply to any entity intending to carry on business in Southeast Asia, nor does BlackRock purport to carry on, any regulated activity in any country in Southeast Asia. BlackRockfunds, and/or services shall not be offered or sold to any person in any jurisdiction in which such an offer, solicitation, purchase, or sale would be deemed unlawful under the securities laws or any other relevant laws of such jurisdiction(s). This material is provided to the recipient on a strictly confidential basis and is intended for informational or educational purposes only. Nothing in this document, directly or indirectly, represents to you that BlackRock will provide, or is providing BlackRock products or services to the recipient, or is making available, inviting, or offering for subscription or purchase, or invitation to subscribe for or purchase, or sale, of any BlackRockfund, or interests therein.



This material neither constitutes an offer to enter into an investment agreement with the recipient of this document, nor is it an invitation to respond to it by making an offer to enter into an investment agreement. The distribution of the information contained herein may be restricted by law and any person who accesses it is required to comply with any such restrictions. By reading this information you confirm that you are aware of the laws in your own jurisdiction regarding the provision and sale of funds and related financial services or products, and you warrant and represent that you will not pass on or utilize the information contained herein in a manner that could constitute a breach of such laws by BlackRock, its affiliates or any other person.

For Other APAC Countries, Institutional Investors only (or professional/sophisticated/qualified investors, as such term may apply in local jurisdictions) and does not constitute investment advice or an offer or solicitation to purchase or sell in any securities, BlackRock funds or any investment strategy nor shall any securities be offered or sold to any person in any jurisdiction in which an offer, solicitation, purchase or sale would be unlawful under the securities laws of such jurisdiction.

In Latin America, institutional investors and financial intermediaries only (not for public distribution). This material is for educational purposes only and does not constitute investment advice nor an offer or solicitation to sell or a solicitation of an offer to buy any shares of any Fund (nor shall any such shares be offered or sold to any person) in any jurisdiction in which an offer, solicitation, purchase or salewould be unlawful under the securities law of that jurisdiction. If any funds are mentioned or inferred to in this material, it is possible that some or all of the funds may not have been registered with the securities regulator of Argentina, Brazil, Chile, Colombia, Mexico, Panama, Peru, Uruguay or any other securities regulator in any Latin American country and thus might not be publicly offered within any such country. The securities regulators of such countries have not confirmed the accuracy of any information contained herein.

In Argentina, only for use with Qualified Investors under the definition as set by the Comisión Nacional de Valores (CNV). In Brazil, this private offer does not constitute a public offer, and is not registered with the Brazilian Securities and Exchange Commission, for use only with professional investors as such term is defined by the Comissão de Valores Mobiliários. In Colombia, the sale of each fund discussed herein, if any, is addressed to less than one hundred specifically identified investors, and such fund may not be promoted or marketed in Colombia or to Colombian residents unless such promotion and marketing is made in compliance with Decree 2555 of 2010 and other applicable rules and regulations related to the promotion of foreign financial and/or securities related products or services in Colombia. In Chile, the sale of each fund not registered with the CMF is subject to General Rule No. 336 issued by the SVS (now the CMF). The subject matter of this sale may include securities not registered with the CMF; therefore, such securities are not subject to the supervision of the CMF. Since the securities are not registered in Chile, there is no obligation of the issuer to make publicly available information about the securities in Chile. The securities shall not be subject to public offering in Chile unless registered with the relevant registry of the CMF. In Peru, this private offer does not constitute a public offer, and is not registered with the Securities Market Public Registry of the Peruvian Securities Market Commission, for use only with institutional investors as such term is defined by the Superintendencia de Banca, Seguros y AFP. In Uruguay, the Securities are not and will not be registered with the Central Bank of Uruquay. The Securities are not and will not be offered publicly in or from Uruquay and are not and will not be traded on any Uruguayan stock exchange. This offer has not been and will not be announced to the public and offering materials will not be made available to the general public except in circumstances which do not constitute a public offering of securities in Uruguay, in compliance with the requirements of the Uruguayan Securities Market Law (Law No 18.627 and Decree 322/011). For investors in Central America, these securities have not been registered before the Securities Superintendence of the Republic of Panama, nor did the offer, sale or their trading procedures. The registration exemption has made according to numeral 3 of Article 129 of the Consolidated Text containing of the Decree-Law No. 1 of July 8, 1999 (institutional investors). Consequently, the tax treatment set forth in Articles 334 to 336 of the Unified Text containing Decree-Law No. 1 of July 8, 1999, does not apply to them. These securities are not under the supervision of the Securities Superintendence of the Republic of Panama. The information contained herein does not describe any product that is supervised or regulated by the National Banking and Insurance Commission (CNBS) in Honduras. Therefore any investment described herein is done at the investor's own risk.



This is an individual and private offer which is made in Costa Rica upon reliance on an exemption from registration before the General Superintendence of Securities ("SUGEVAL"), pursuant to articles 7 and 8 of the Regulations on the Public Offering of Securities ("Reglamento sobre Oferta Pública de Valores"). This information is confidential, and is not to be reproduced or distributed to third parties as this is NOT a public offering of securities in Costa Rica. The product being offered is not intended for the Costa Rican public or market and neither is registered or will be registered before the SUGEVAL, nor can be traded in the secondary market. If any recipient of this documentation receives this document in El Salvador, such recipient acknowledges that the same has been delivered upon his request and instructions, and on a private placement basis

IN MEXICO, FOR INSTITUTIONAL AND QUALIFIED INVESTORS USE ONLY. INVESTING INVOLVES RISK, INCLUDING POSSIBLE LOSS OF PRINCIPAL. THIS MATERIAL IS PROVIDED FOR EDUCATIONAL AND INFORMATIONAL PURPOSES ONLY AND DOES NOT CONSTITUTE AN OFFER OR SOLICITATION TO SELL OR A SOLICITATION OF AN OFFER TO BUY ANY SHARES OF ANY FUND OR SECURITY.

This information does not consider the investment objectives, risk tolerance or the financial circumstances of any specific investor. This information does not replace the obligation of financial advisor to apply his/her best judgment in making investment decisions or investment recommendations. It is your responsibility to inform yourself of, and to observe, all applicable laws and regulations of Mexico. If any funds, securities or investment strategies are mentioned or inferred in this material, such funds, securities or strategies have not been registered with the Mexican National Banking and Securities Commission (Comisión Nacional Bancaria y de Valores, the "CNBV") and thus, may not be publicly offered in Mexico. The CNBV has not confirmed the accuracy of any information contained herein. The provision of investment management and investment advisory services ("Investment Services") is a regulated activity in Mexico, subject to strict rules, and performed under the supervision of the CNBV. These materials are shared for information purposes only, do not constitute investment advice, and are being shared in the understanding that the addressee is an Institutional or Qualified investor as defined under Mexican Securities (Ley del Mercado de Valores). Each potential investor shall make its own investment decision based on their own analysis of the available information. Please note that by receiving these materials, it shall be construed as a representation by the receiver that it is an Institutional or Qualified investor as defined under Mexican law. BlackRock México Operadora, S.A. de C.V., Sociedad Operadora de Fondos de Inversión ("BlackRock México Operadora") is a Mexican subsidiary of BlackRock, Inc., authorized by the CNBV as a Mutual Fund Manager (Operadora de Fondos), and as such, authorized to manage Mexican mutual funds, ETFs and provide Investment Advisory Services. For more information on the Investment Services offered by BlackRock Mexico, please review our Investment Services Guide available in www.blackrock.com/mx. This material represents an assessment at a specific time and its information should not be relied upon by the you as research or investment advice regarding the funds, any security or investment strategy in particular. Reliance upon information in this material is at your sole discretion. BlackRock México is not authorized to receive deposits, carry out intermediation activities, or act as a broker dealer, or bank in Mexico. For more information on BlackRock México, please visit: www.blackRock.com/mx. BlackRock receives revenue in the form of advisory fees for our advisory services and management fees for our mutual funds, exchange traded funds and collective investment trusts. Any modification, change, distribution or inadequate use of information of this document is not responsibility of BlackRockor any of its affiliates. Pursuantto the Mexican Data Privacy Law (Ley Federal de Protección de Datos Personales en Posesión de Particulares), to register your personal data you must confirm that you have read and understood the Privacy Notice of BlackRock México Operadora. For the full disclosure, please visit www.blackRock.com/mx and accept that your personal information will be managed according with the terms and conditions set forth therein. BlackRock® is a registered trademark of BlackRock, Inc. All other trademarks are the property of their respective owners.

© 2022 BlackRock, Inc. All rights reserved. **ALADDIN**, **iSHARES** and **BLACKROCK** are trademarks of BlackRock, Inc., or its subsidiaries in the United States and elsewhere. All other marks are the property of their respective owners.

