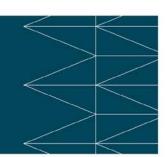
ETF INSIGHTS WITH LUKE OLIVER OF DWS



Miguel Alvarez, ETF Product Manager, BNY Mellon Luke Oliver, Head of Index Investing, Americas, DWS April 2020

Miguel Alvarez (MA): Hi, we're here with LO, Head of Index Investing, Americas at DWS. Welcome, Luke.

Luke Oliver (LO): Thank you.

MA: A lot of risk in the ETF space, what are some of the things that ETF investors should be paying attention to?

LO: Well, aside from all of the ordinary hurdles like worrying about trading, worrying about liquidity, worrying about what's inside the fund and not just what the name of the fund says, people really need to think about the changes that are going through. There's a new ETF rule. That new ETF rule means that we'll probably see a lot more fixed income ETFs, because the rule allows more flexibility on building fixed income baskets, so I think there will be a lot more fixed income. That's a great thing for investors, more choice, more competition, but the thing to worry about is just remembering that when you trade ETFs based on bonds, perhaps worry about the fact that ETFs, or bonds stop trading at three o'clock in the afternoon, and also just make sure you understand what you're getting. There's going to be a lot of new issuers, there's going to be a lot of new strategies, so that's something to really keep an eye on.

MA: And speaking of fixed income, so the yields continue to drop, so what are some of the ETFs that investors can use to combat that?

LO: Well, there's a lot. We're seeing people shifting towards high yield to pick up that yield, and then at the same time, we're starting to see people taking risk off, which means they release some of that high yield. So, we've actually been looking not just at fixed income, but also some high dividend equity strategies, and one that we really like is in the international equity space, because you tend to get a bit more value, therefore lower stock price relative to the dividends,



so there's some really interesting international developed market high dividend strategies that we like for income.

MA: And so, one of the big things that is coming out this year is the active ETF structures. What are some of your thoughts on that?

LO: Yes, it's very interesting. There's a lot of press, there's a lot of talk, but it's not as much of a change if you really look at what's happening. The ETF is just the wrapper. We've had passive ETFs, we've had active ETFs, and now with non-transparent, or semi-transparent, ETFs that means that a lot of active managers might move over to the ETF wrapper. It's just a change of wrapper. It's not that meaningful.

What it will mean is that potentially there will be, over the years, hundreds if not thousands of new ETFs. My concern there is that that's all going to add to the infrastructure of making markets and balance sheet that the industry needs to maintain liquidity. So, keep an eye on liquidity with the new ETFs, but at the same time, don't worry too much. An active ETF is still an investment vehicle. It doesn't need to trade millions of shares a day. So, there's a kind of balance there, but the new innovation certainly is an innovation, but all it really means is that active managers are going to be more likely using this new wrapper, because it does bring other efficiencies, such as tax efficiency on rebalances, so I think it's a good thing.

MA: Well, thank you, Luke, for your insights and we appreciate it.

LO: Thank you.

BNY Mellon is the corporate brand of The Bank of New York Mellon Corporation and may be used as a generic term to reference the corporation as a whole and/or its various group entities. This material and any products and services may be issued or provided under various brand names of BNY Mellon in various countries by duly authorized and regulated subsidiaries, affiliates, and joint ventures of BNY Mellon, which may include any of those listed below:

The Bank of New York Mellon, a banking corporation organized pursuant to the laws of the State of New York, whose registered office is at 240 Greenwich St, NY, NY 10286, USA. The Bank of New York Mellon is supervised and regulated by the New York State Department of Financial Services and the US Federal Reserve and is authorized by the Prudential Regulation Authority (PRA).

The Bank of New York Mellon operates in the UK through its London branch (UK companies house numbers FC005522 and BR000818) at One Canada Square, London E14 5AL and is subject to regulation by the Financial Conduct Authority (FCA) at 12 Endeavour Square, London, E20 1JN, UK and limited regulation by the Prudential Regulation Authority at Bank of England, Threadneedle St, London, EC2R 8AH, UK. Details about the extent of our regulation by the Prudential Regulation Authority are available from us on request.

The Bank of New York Mellon SA/NV, a Belgian limited liability company, registered in the RPM Brussels with company number 0806.743.159, whose registered office is at 46 Rue Montoyerstraat, B-1000 Brussels, Belgium, authorized and regulated as a significant credit institution by the European Central Bank (ECB) at Sonnemannstrasse 20, 60314 Frankfurt am Main, Germany, and the National Bank of Belgium (NBB) at Boulevard de Berlaimont/de Berlaimontlaan 14, 1000 Brussels, Belgium, under the Single Supervisory Mechanism and by the Belgian Financial Services and Markets Authority (FSMA) at Rue du Congrès/Congresstraat 12-14, 1000 Brussels, Belgium for conduct of business rules, and is a subsidiary of The Bank of New York Mellon.

The Bank of New York Mellon SA/NV operates in Ireland through its Dublin branch at Riverside II, Sir John Rogerson's Quay Grand Canal Dock, Dublin 2, D02KV60, Ireland and is registered with the Companies Registration Office in Ireland No. 907126 & with VAT No. IE 9578054E. The Bank of New York Mellon SA/NV, Dublin Branch is subject to limited additional regulation by the Central Bank of Ireland at New Wapping Street, North Wall Quay, Dublin 1, D01 F7X3, Ireland for conduct of business rules and registered with the Companies Registration Office in Ireland No. 907126 & with VAT No. IE 9578054E.

The Bank of New York Mellon SA/NV is trading in Germany as The Bank of New York Mellon SA/NV, Asset Servicing, Niederlassung Frankfurt am Main, and has its registered office at MesseTurm, Friedrich-Ebert-Anlage 49, 60327 Frankfurt am Main, Germany. It is subject to limited additional regulation by the Federal Financial Supervisory Authority (Bundesanstalt für Finanzdienstleistungsaufsicht, Marie-Curie-Str. 24-28, 60439 Frankfurt, Germany) under registration number 122721.

The Bank of New York Mellon SA/NV operates in the Netherlands through its Amsterdam branch at Strawinskylaan 337, WTC Building, Amsterdam, 1077 XX, the Netherlands. The Bank of New York Mellon SA/NV, Amsterdam Branch is subject to limited additional supervision by the Dutch Central Bank ('De Nederlandsche Bank' or 'DNB') on integrity issues only (registration number 34363596). DNB holds office at Westeinde 1, 1017 ZN Amsterdam, the Netherlands.

The Bank of New York Mellon SA/NV operates in Luxembourg through its Luxembourg branch at 2-4 rue Eugene Ruppert, Vertigo Building – Polaris, L- 2453, Luxembourg. The Bank of New York Mellon SA/NV, Luxembourg Branch is subject to limited additional regulation by the Commission de Surveillance du Secteur Financier at 283, route d'Arlon, L-1150 Luxembourg for conduct of business rules, and in its role as UCITS/AIF depositary and central administration agent.

The Bank of New York Mellon SA/NV operates in France through its Paris branch at 7 Rue Scribe, Paris, Paris 75009, France. The Bank of New York Mellon SA/NV, Paris Branch is subject to limited additional regulation by Secrétariat Général de l'Autorité de Contrôle Prudentiel at Première Direction du Contrôle de Banques (DCB 1), Service 2, 61, Rue Taitbout, 75436 Paris Cedex 09, France (registration number (SIREN) Nr. 538 228 420 RCS Paris - CIB 13733).

The Bank of New York Mellon SA/NV operates in Italy through its Milan branch at Via Mike Bongiorno no. 13, Diamantino building, 5th floor, Milan, 20124, Italy. The Bank of New York Mellon SA/NV, Milan Branch is subject to limited additional regulation by Banca d'Italia - Sede di Milano at Divisione Supervisione Banche, Via Cordusio no. 5, 20123 Milano, Italy (registration number 03351).

The Bank of New York Mellon (International) Limited is registered in England & Wales with Company No. 03236121 with its Registered Office at One Canada Square, London E14 5AL. The Bank of New York Mellon (International) Limited is authorised by the Prudential Regulation Authority and regulated by the Financial Conduct Authority and the Prudential Regulation Authority.

Regulatory information in relation to the above BNY Mellon entities operating out of Europe can be accessed at the following website: https://www.bnymellon.com/RID.

The Bank of New York Mellon has various subsidiaries, affiliates, branches and representative offices in the Asia-Pacific Region which are subject to regulation by the relevant local regulator in that jurisdiction. Details about the extent of our regulation and applicable regulators in the Asia-Pacific Region are available from us on request. Among others, The Bank of New York Mellon, Singapore Branch is subject to regulation by the Monetary Authority of Singapore. The Bank of New York Mellon, Hong Kong Branch (a banking corporation organized and existing under the laws of the State of New York with limited liability) is subject to regulation by the Hong Kong Monetary Authority and the Securities & Futures Commission of Hong Kong. The Bank of New York Mellon, Seoul Branch is subject to regulation by the Financial Services Commission, the Financial Supervisory Service and The Bank of Korea.

Whilst The Bank of New York Mellon (BNY Mellon) is authorised to provide financial services in Australia, it is exempt from the requirement to hold, and does not hold, an Australian financial services license as issued by the Australian Securities and Investments Commission under the Corporations Act 2001 (Cth) in respect of the financial services provided by it to persons in Australia. BNY Mellon is regulated by the New York State Department of Financial Services and the US Federal Reserve under Chapter 2 of the Consolidated Laws, The Banking Law enacted April 16, 1914 in the State of New York, which differs from Australian laws.

The Bank of New York Mellon Securities Company Japan Ltd, subject to supervision by the Financial Services Agency of Japan, acts as intermediary in Japan for The Bank of New York Mellon and its affiliates, with its registered office at Marunouchi Trust Tower Main, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-1005, Japan.

If this material is distributed in, or from, the Dubai International Financial Centre ("DIFC"), it is communicated by The Bank of New York Mellon, DIFC Branch, regulated by the DFSA and located at DIFC, The Exchange Building 5 North, Level 6, Room 601, P.O. Box 506723, Dubai, UAE, on behalf of The Bank of New York Mellon, which is a wholly-owned subsidiary of The Bank of New York Mellon Corporation. This material is intended for Professional Clients and Market Counterparties only and no other person should act upon it.

Past performance is not a guide to future performance of any instrument, transaction or financial structure and a loss of original capital may occur. Calls and communications with BNY Mellon may be recorded, for regulatory and other reasons.

Disclosures in relation to certain other BNY Mellon group entities can be accessed at the following website: http://disclaimer.bnymellon.com/eu.htm.

This material is intended for wholesale/professional clients (or the equivalent only), is not intended for use by retail clients and no other person should act upon it. Persons who do not have professional experience in matters relating to investments should not rely on this material. BNY Mellon will only provide the relevant investment services to investment professionals.

Not all products and services are offered in all countries.

If distributed in the UK, this material is a financial promotion. If distributed in the EU, this material is a marketing communication.

This document and the statements contained herein, are not an offer or solicitation to buy or sell any products (including financial products) or services or to participate in any particular strategy mentioned and should not be construed as such. This material, which may be considered advertising, is for general information purposes only and is not intended to provide legal, tax, accounting, investment, financial or other professional advice on any matter. This material does not constitute a recommendation or advice by BNY Mellon of any kind. Use of our products and services is subject to various regulations and regulatory oversight. You should discuss this material with appropriate advisors in the context of your circumstances before acting in any manner on this material or agreeing to use any of the referenced products or services and make your own independent assessment (based on such advice) as to whether the referenced products or services are appropriate or suitable for you. This material may not be comprehensive or up to date and there is no undertaking as to the accuracy, timeliness, completeness or fitness for a particular purpose of information given. BNY Mellon will not be responsible for updating any information contained within this material and opinions and information contained herein are subject to change without notice. BNY Mellon assumes no direct or consequential liability for any errors in or reliance upon this material.

This material may not be distributed or used for the purpose of providing any referenced products or services or making any offers or solicitations in any jurisdiction or in any circumstances in which such products, services, offers or solicitations are unlawful or not authorized, or where there would be, by virtue of such distribution, new or additional registration requirements.

Material contained within this video is intended for information purposes only. It is not intended to provide legal, tax, accounting, investment, financial or other professional advice on any matter, and is not to be used as such. You should contact your independent financial advisor prior to acting on any information mentioned in the video. This is not a financial promotion. No statement or expression is an offer or solicitation to buy or sell any products or services mentioned. To the extent this video may be deemed to be a financial promotion under non-US jurisdictions, it is provided for use by professional investors only and not for onward distribution to, or to be relied upon by, retail investors.

This video is not intended for distribution to, or use by, any person or entity in any jurisdiction or country in which such distribution or use would be contrary to local law or regulation. Similarly, this video may not be distributed or used for the purpose of offers or solicitations in any jurisdiction or in any circumstances in which such offers or solicitations are unlawful or not authorized, or where there would be, by virtue of such distribution, new or additional registration requirements. The contents may not be comprehensive or up-to-date, and BNY Mellon will not be responsible for updating any information contained within this video. BNY Mellon assumes no liability whatsoever (direct or consequential or any other form of liability) for any action taken in reliance on the information contained in this video. Any unauthorized use of material contained in this video is at the user's own risk. The views expressed herein are those of the speaker(s) only and not necessarily those of BNY Mellon or any of its subsidiaries or affiliates.

THIS VIDEO IS NOT TO BE REPRODUCED IN WHOLE OR IN PART WITHOUT THE AUTHORIZATION OF BNY MELLON.

Trademarks, service marks and logos belong to their respective owners.

@ 2020 The Bank of New York Mellon Corporation. All rights reserved.

