

Fixed-Income Markets in Focus: On the Road to Recovery?

Jenna Dagenhart: Certain recession indicators are flashing red. Today, we'll cover how investors are evaluating bonds versus equities in light of these warning signs as well as the effect of inflation and central bank monetary policies. Joining us now with more on the latest developments and market trends is Andy Sparks, managing director and head of portfolio management research at MSCI. Well, Andy, great to have you back with us.

Andy Sparks: Thank you very much, Jenna. Pleasure to be here.

Jenna Dagenhart: So what have we seen Andy across equity and fixed income markets over the past year? Then what about more recently over the past few months?

Andy Sparks: Well, for the bond market, there's been good news and bad news. So the good news is that returns in 2023 are positive, which is really good compared to 2022 when they were very significantly negative.

Jenna Dagenhart: Oh, yeah, very different story this year.

Andy Sparks: That is right. The less good news is A, equity returns characterize them as spectacular so far this year with the MSCI USA equity index being up over 20% year to date. And that's far, far better than different bond market sectors have performed. Also, take into account of course, that there has been inflation this year. So if you look at large components of the investment grade bond market, specifically US treasuries, their returns are positive, but they're lower than inflation. So on an inflation adjusted basis, treasuries have had negative returns this year.

And then in other words, in terms of the real consumption basket that investment could buy, it buys less now after having invested in treasuries than a consumer could have had taking that invested in mind the basket at the beginning of the year. So ultimately, investors are looking for after inflation adjusted returns. And like I said, in the treasury market, which is the largest part of the investment grade market, they're actually negative this year taking into account inflation.

Jenna Dagenhart: Yeah. I want to talk a little bit more about inflation, Andy. What are your expectations and what about your expectations for central bank monetary policy?

Andy Sparks: So number one, last week we had the CPI release, which was really good news on the inflation front, very significant declines in inflation, broad based. I'm sure that number was very welcomed by the Fed, but I think in probably premature to take a victory lap at this point. The market, as well as the Fed has consistently understated inflation over the past couple of years. There have been quite a few unpleasant surprises. And so, although this month's number looked really good, one month does not make a trend. And in fact, if you go back to the prior month's CPI release, it was unexpectedly high, and a lot of market participants were talking about stubbornly high inflation.

So just because we have one-month, investors, I think, need to be a little cautious and a little skeptical. I wouldn't be surprised if members of the Fed FOMC continue to be pretty cautious. But probably, internally, they're probably call it cautiously optimistic that maybe we have turned a corner here. We'll ultimately have to wait and see. If you look at the US Treasury market, if you looked at the

relationship between prices of treasury link securities and nominal treasuries, that gives us an idea of the market expectation of inflation.

Next year, it's approximately 2%, which is pretty much in line with what the Fed's long-term inflation target is. So we'll ultimately have to wait and see, but I think we're trending towards more optimism on the inflation front. But there will be some skeptics and we'll just have to wait and see. If you look at interest rate futures markets specific to what the market is thinking about Federal Reserve policy, they think there will be one more rate hike and then it'll stay there for the rest of the year with declines starting next year, which again is consistent with the Federal Reserve's projections from the June FOMC meeting.

As of a couple of months ago, there had been some discrepancy between what the interest rate futures market thought was going to happen versus Fed policymakers with the market thinking there'd be cuts in 2023. But what we've seen over the past year and a half is that each time there's been some discrepancy between what the futures markets thought versus the Fed. Generally speaking, the futures market has thrown in the towel and have gone with the Fed and the same thing seems to be occurring this time around as well.

Jenna Dagenhart: And of course, one reason to be optimistic too about the economy is the labor market. The labor market has been tremendously strong and resilient. So, I'm sure the Fed is taking that into account as well.

Andy Sparks: Absolutely. And Chair Powell has talked quite a bit about, and he's been asked a lot about "Can the Fed engineer a soft landing?" That's what the Fed has wanted as opposed to a hard landing or a stagflationary environment. And so MSCI, we had a recent blog where we were looking at four different macroeconomic scenarios and we looked at projected returns across sectors in each one of those scenarios, but we did not give a probability to those scenarios. But the Fed has been hoping that the soft landing could be engineered, and I think there were a lot of skeptics a few months ago that it would be possible.

And effectively, the Fed has been trying to thread a needle and it sure seems like that possibility of a soft landing is growing and you might think the eye of the needle is growing, a little easier to get that thread in there. And ultimately, we'll have to wait and see. So that would be generally a very good scenario for capital market participants, but we'll have to wait and see whether that happens or not.

Jenna Dagenhart: Those are very tough to achieve when you look back historically as well.

Andy Sparks: That's right. But you're right, the news on the labor market has been very good. We'll be getting more economic data, as well as earnings from various companies coming in. So it all is accumulative. But so far, I think the economic performance has surprised participants to the upside so far this year.

Jenna Dagenhart: Although, of course, one reason to be cautious could be the inverted yield curve, some might say. What would you say in response to people looking at the inverted yield curve and other data out there predicting a recession?

Andy Sparks: It's very steeply inverted, and there's been a lot of research including academic research looking at whether that is a good predictor of economic downturns. And it generally has a pretty good record, not perfect. And I would say particularly in the current environment, I think investors need to be

concerned about false signals and take into account the Fed has two different criteria that it's focused on. And it's really their goals are A, to have maximum employment and B, to have stable prices. And the narrative, the causal factor for maybe why in the past a steeply inverted yield curve oftentimes led to recession is the view that the economy was slowing and the Fed to prevent it from slowing too much would have to begin easy. But this time around maybe partly a little bit because this feeling that a soft landing is maybe more achievable now. The Fed may be more focused on inflation this time around.

And Chair Powell has definitely talked about this over the past few months. And so the idea is that the Fed has had to be very vigilant. It's had to raise rates significantly and keep them high. That's the projection for this year, as we mentioned a little earlier. But ultimately, Chair Powell has also said if they have really good news on the inflation front, they can begin to talk about being less aggressive in keeping rates high and possibly even leading to cuts. And that could occur even in the absence of a concern about a recession.

And so, if you look in the rearview mirror and just look at empirical data, you might think, "Okay, we're headed for a recession." And a lot of people are focused on the inverted curve as signaling flashing though those red lights that a recession is on the way. But like I said, there's some other scenarios, particularly if you combine the possibility of a soft landing with a reduction in inflation, that does take some pressure off the Fed, and they may begin to talk about easing a little earlier than expected. And maybe this time around, the inverted curve will not result in a recession. We'll see.

Jenna Dagenhart: And finally, Andy, what are investors thinking about in light of all of this when it comes to their allocations to bonds versus equities? I mean, they haven't performed as well as equities this year, as you mentioned, but those yields are pretty high.

Andy Sparks: They are, and that's a crucial thing. And we like looking at real yields in the bond market, and we look at them for short maturities, mid-maturities, and long maturities. And across the board, they're pretty high by the standards of the past 12 to 14 years. And it's particularly true in the short end, but even out at the 10 year it is. And so yields are still relatively high. And if you look at measures of valuation in the equity market, so we like looking at the forward earnings yield and the equity market. And if you look at the relationship between that forward equity earnings yield to real yields from the bond market, it seems that the equity yield seem a little bit on the tight side compared to his relative to bond yields by the standards of the past 20 years. And so if you just use that as a measure of valuation, you might say that bonds look cheap.

But the important question for investors, "They might be cheap, but could they get cheaper?" And so as tempting as it is to say, "Okay. Now, is the time to rotate into bonds, just given the relatively attractive yields," I think it is important that investors look at what could go wrong here. And I won't go down a laundry list, but several things. Number one, as I mentioned before, we did have this blog looking at various macro scenarios. And the worst one for capital market participants is the stagflation scenario where... And like I said before, it's probably premature to declare victory on the inflation front. Unexpected things could happen. So there could be some downside attached to that. So in terms of the bond market skeptics, just focus on that as one reason to be a little cautious on bonds. Another reason could be, let's just call it a debt overhang.

And everyone knows there's been a lot of fiscal stimulus. The Congressional Budget Office has put out its forecast over the next 10 years, and it looks like there's going to be growing treasury issuance, not just in absolute terms, but also relative to GDP. And the question is, "Who are going to be the buyers for that?" And we'll ultimately have to wait and see. I'd say one potential vulnerability for the

fixed income market are foreign buyers. And if you look at foreign holdings of treasuries over the past year or so, year and a half, those holdings have gone down in absolute terms even though the amount of treasuries has gone up. And the question is whether that trend could continue. And so that is, I think, one supply and demand imbalance that investors should be focused on. Another question in terms of, "Are there going to be enough buyers for bonds?" Is to think a little bit about the trend towards alternatives in portfolios and investors, institutional investors adding allocation to alternatives that's generally being funded from the public markets in their portfolios.

Could be equities, could also be fixed income. Private credit is a pretty hot area among a lot of investors these days. And as clients seek alternatives to the public markets, that could put some pressure on bond yields as well. So we'll ultimately have to wait and see, but these demographics are important. And are there going to be enough buyers given the increasing debt? So I think a lot of investors want to say, "Well, yes. From a yield perspective, the sector does look more attractive now, but maybe yields are going to continue going up and we'll ultimately have to wait and see on that."

Jenna Dagenhart: Well, Andy, you better leave it there. Thank you so much for joining us.

Andy Sparks: Thank you very much, Jen. Always a pleasure.

Jenna Dagenhart: Of course. And thank you to everyone watching. Once again, that was Andy Sparks, managing director and head of portfolio management research at MSCI. And I'm Jenna Dagenhart with Asset TV.

About MSCI

MSCI is a leading provider of critical decision support tools and services for the global investment community. With over 50 years of expertise in research, data and technology, we power better investment decisions by enabling clients to understand and analyze key drivers of risk and return and confidently build more effective portfolios. We create industry-leading research-enhanced solutions that clients use to gain insight into and improve transparency across the investment process. To learn more, please visit www.msci.com.

This document and all of the information contained in it, including without limitation all text, data, graphs, charts (collectively, the "Information") is the property of MSCI Inc. or its subsidiaries (collectively, "MSCI"), or MSCI's licensors, direct or indirect suppliers or any third party involved in making or compiling any Information (collectively, with MSCI, the "Information Providers") and is provided for informational purposes only. The Information may not be modified, reverse-engineered, reproduced or disseminated in whole or in part without prior written permission from MSCI. All rights in the Information are reserved by MSCI and/or its Information Providers.

The Information may not be used to create derivative works or to verify or correct other data or information. For example (but without limitation), the Information may not be used to create indexes, databases, risk models, analytics, software, or in connection with the issuing, offering, sponsoring, managing or marketing of any securities, portfolios, financial products or other investment vehicles utilizing or based on, linked to, tracking or otherwise derived from the Information or any other MSCI data, information, products or services.

The user of the Information assumes the entire risk of any use it may make or permit to be made of the Information. NONE OF THE INFORMATION PROVIDERS MAKES ANY EXPRESS OR IMPLIED WARRANTIES OR REPRESENTATIONS WITH RESPECT TO THE INFORMATION (OR THE RESULTS TO BE OBTAINED BY THE USE THEREOF), AND TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, EACH INFORMATION PROVIDER EXPRESSLY DISCLAIMS ALL IMPLIED WARRANTIES (INCLUDING, WITHOUT LIMITATION, ANY IMPLIED WARRANTIES OF ORIGINALITY, ACCURACY, TIMELINESS, NON-INFRINGEMENT, COMPLETENESS, MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE) WITH RESPECT TO ANY OF THE INFORMATION.

Without limiting any of the foregoing and to the maximum extent permitted by applicable law, in no event shall any Information Provider have any liability regarding any of the Information for any direct, indirect, special, punitive, consequential (including lost profits) or any other damages even if notified of the possibility of such damages. The foregoing shall not exclude or limit any liability that may not by applicable law be excluded or limited, including without limitation (as applicable), any liability for death or personal injury to the extent that such injury results from the negligence or willful default of itself, its servants, agents or sub-contractors.

Information containing any historical information, data or analysis should not be taken as an indication or guarantee of any future performance, analysis, forecast or prediction. Past performance does not guarantee future results.

The Information should not be relied on and is not a substitute for the skill, judgment and experience of the user, its management, employees, advisors and/or clients when making investment and other business decisions. All Information is impersonal and not tailored to the needs of any person, entity or group of persons.

None of the Information constitutes an offer to sell (or a solicitation of an offer to buy), any security, financial product or other investment vehicle or any trading strategy.

It is not possible to invest directly in an index. Exposure to an asset class or trading strategy or other category represented by an index is only available through third party investable instruments (if any) based on that index. MSCI does not issue, sponsor, endorse, market, offer, review or otherwise express any opinion regarding any fund, ETF, derivative or other security, investment, financial product or trading strategy that is based on, linked to or seeks to provide an investment return related to the performance of any MSCI index (collectively, "Index Linked Investments"). MSCI makes no assurance that any Index Linked Investments will accurately track index performance or provide positive investment returns. MSCI Inc. is not an investment adviser or fiduciary and MSCI makes no representation regarding the advisability of investing in any Index Linked Investments.

Index returns do not represent the results of actual trading of investible assets/securities. MSCI maintains and calculates indexes, but does not manage actual assets. The calculation of indexes and index returns may deviate from the stated methodology. Index returns do not reflect payment of any sales charges or fees an investor may pay to purchase the securities underlying the index or Index Linked Investments. The imposition of these fees and charges would cause the performance of an Index Linked Investment to be different than the MSCI index performance.

The Information may contain back tested data. Back-tested performance is not actual performance, but is hypothetical. There are frequently material differences between back tested performance results and actual results subsequently achieved by any investment strategy.

Constituents of MSCI equity indexes are listed companies, which are included in or excluded from the indexes according to the application of the relevant index methodologies. Accordingly, constituents in MSCI equity indexes may include MSCI Inc., clients of MSCI or suppliers to MSCI. Inclusion of a security within an MSCI index is not a recommendation by MSCI to buy, sell, or hold such security, nor is it considered to be investment advice.

Data and information produced by various affiliates of MSCI Inc., including MSCI ESG Research LLC and Barra LLC, may be used in calculating certain MSCI indexes. More information can be found in the relevant index methodologies on www.msci.com.

MSCI receives compensation in connection with licensing its indexes to third parties. MSCI Inc.'s revenue includes fees based on assets in Index Linked Investments. Information can be found in MSCI Inc.'s company filings on the Investor Relations section of msci.com.

MSCI ESG Research LLC is a Registered Investment Adviser under the Investment Advisers Act of 1940 and a subsidiary of MSCI Inc. Neither MSCI nor any of its products or services recommends, endorses, approves or otherwise expresses any opinion regarding any issuer, securities, financial products or instruments or trading strategies and MSCI's products or services are not a recommendation to make (or refrain from making) any kind of investment decision and may not be relied on as such, provided that applicable products or services from MSCI ESG Research may constitute investment advice. MSCI ESG Research materials, including materials utilized in any MSCI ESG Indexes or other products, have not been submitted to, nor received approval from, the United States Securities and Exchange Commission or any other regulatory body. MSCI ESG and climate ratings, research and data are produced by MSCI ESG Research LLC, a subsidiary of MSCI Inc. MSCI ESG Indexes, Analytics and Real Estate are products of MSCI Inc. that utilize information from MSCI ESG Research LLC. MSCI Indexes are administered by MSCI Limited (UK).

Please note that the issuers mentioned in MSCI ESG Research materials sometimes have commercial relationships with MSCI ESG Research and/or MSCI Inc. (collectively, "MSCI") and that these relationships create potential conflicts of interest. In some cases, the issuers or their affiliates purchase research or other products or services from one or more MSCI affiliates. In other cases, MSCI ESG Research rates financial products such as mutual funds or ETFs that are managed by MSCI's clients or their affiliates, or are based on MSCI Inc. Indexes. In addition, constituents in MSCI Inc. equity indexes include companies that subscribe to MSCI products or services. In some cases, MSCI clients pay fees based in whole or part on the assets they manage. MSCI ESG Research has taken a number of steps to mitigate potential conflicts of interest and safeguard the integrity and independence of its research and ratings. More information about these conflict mitigation measures is available in our Form ADV, available at <https://adviserinfo.sec.gov/firm/summary/169222>.

Any use of or access to products, services or information of MSCI requires a license from MSCI. MSCI, Barra, RiskMetrics, IPD and other MSCI brands and product names are the trademarks, service marks, or registered trademarks of MSCI or its subsidiaries in the United States and other jurisdictions. The Global Industry Classification Standard (GICS) was developed by and is the exclusive property of MSCI and S&P Global Market Intelligence. "Global Industry Classification Standard (GICS)" is a service mark of MSCI and S&P Global Market Intelligence.

MIFID2/MIFIR notice: MSCI ESG Research LLC does not distribute or act as an intermediary for financial instruments or structured deposits, nor does it deal on its own account, provide execution services for others or manage client accounts. No MSCI ESG Research product or service supports, promotes or is intended to support or promote any such activity. MSCI ESG Research is an independent provider of ESG data.

Privacy notice: For information about how MSCI collects and uses personal data, please refer to our Privacy Notice at <https://www.msci.com/privacy-pledge>.