

Smart Sector® Fixed Income Strategy

APRIL 2023

Risk Management Update

The Smart Sector risk management model (chart right) seeks to reduce exposure to fixed-income sectors most sensitive to equity drawdowns. The risk management model deteriorated from last month but entered April, recommending full model exposure to areas most sensitive to equity markets: International Bond, U.S. Long-Term Treasury, TIPS, U.S. Investment Grade, and Floating Rate Notes.

Figure 1: Smart Sector® Fixed Income Risk Management Model

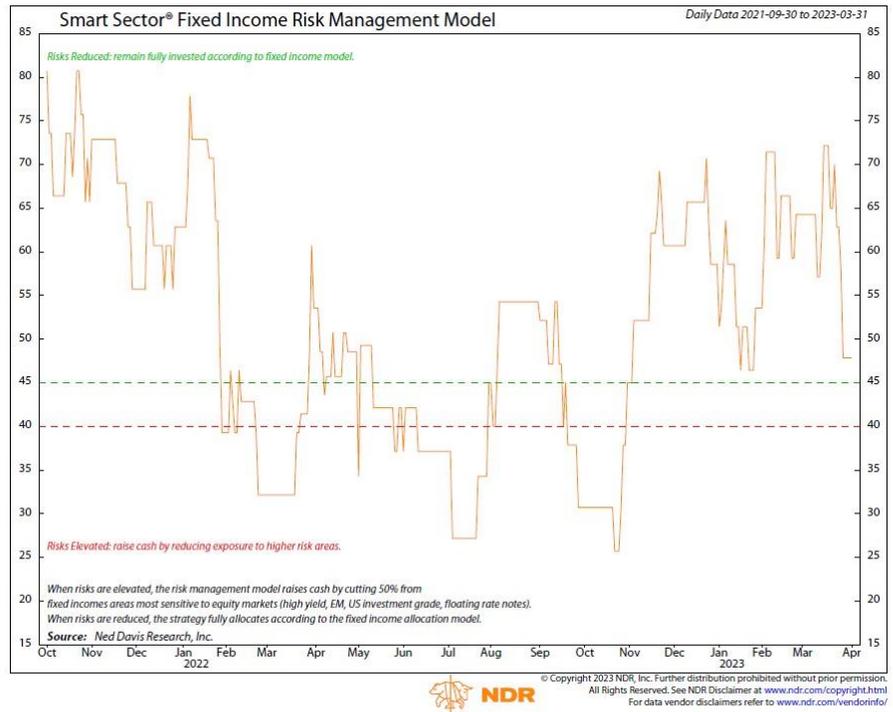
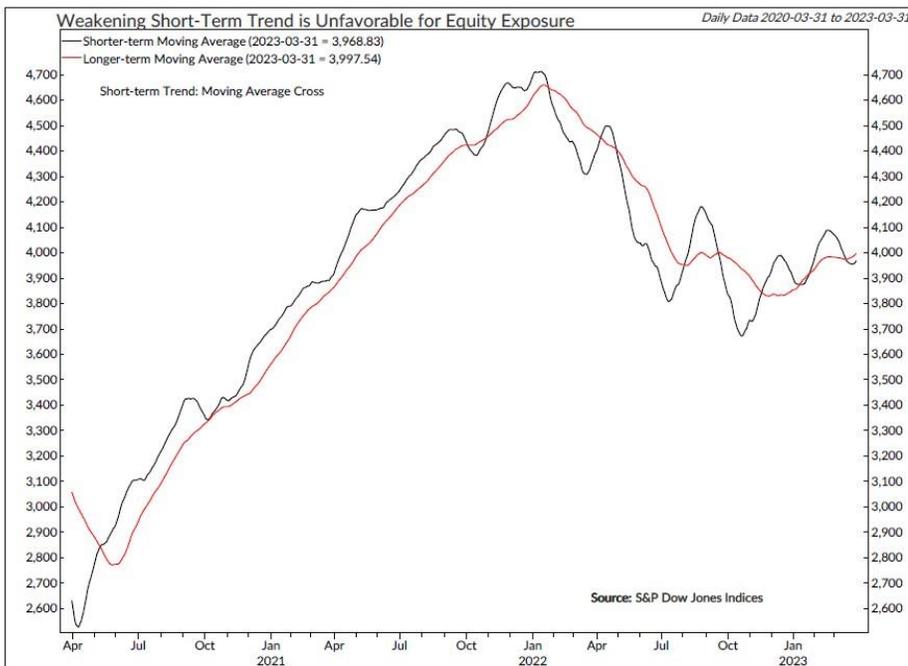


Figure 2: Weakening Short-Term is Unfavorable for Equity Exposure



The model deterioration was mostly driven by weaker technicals—stock/bond relative strength, global stock market breadth, and stock market short-term trend (chart left) all declined to bearish levels during the month. In terms of external influences, improvement in the Baltic Dry Index and breadth for High Yield and Emerging Market bonds was offset by widening high-yield option-adjusted spreads.

For now, the weight of the evidence recommends a fully invested allocation to fixed income sectors according to the model.

Fixed Income Market Update

After about a 2.5% drop in February, the Bloomberg Barclays U.S. Aggregate Bond Total Return Index gained over 2.5% in March. The index has been positive for six of the past 12 months. Of the nine fixed-income sectors we track, all of them except Floating Rate Notes had positive returns in March.

After last month's liquidity backstop by the Swiss National Bank for Credit Suisse and the \$30 billion capital injection into First Republic by a consortium of U.S. banks, it

looks like authorities have successfully ringfenced the banking problems.

Following the anticipated 25 basis point rate hike in March, the Fed provided an update to their economic outlook. The Fed is effectively forecasting a recession this year. We can't have 3.2% GDP growth in Q1 and end up at 0.4% for the year without having negative quarters. Unemployment is projected to rise to 4.5% from 3.6%. As a result, market participants are starting to price in a reversal of the tightening cycle.

The decline in rates across the curve impacted fixed-income sector leadership, as well as the trend in the U.S. Dollar (chart below).

Entering April, the fixed income allocation strategy is overweight International Bond, U.S. Long-Term Treasury, TIPS, U.S. Investment Grade, and Floating Rate Notes. The U.S. Corporate, U.S. High Yield, and Emerging Market Bond sectors are underweight.

Figure 3: U.S. Dollar Index Weakening



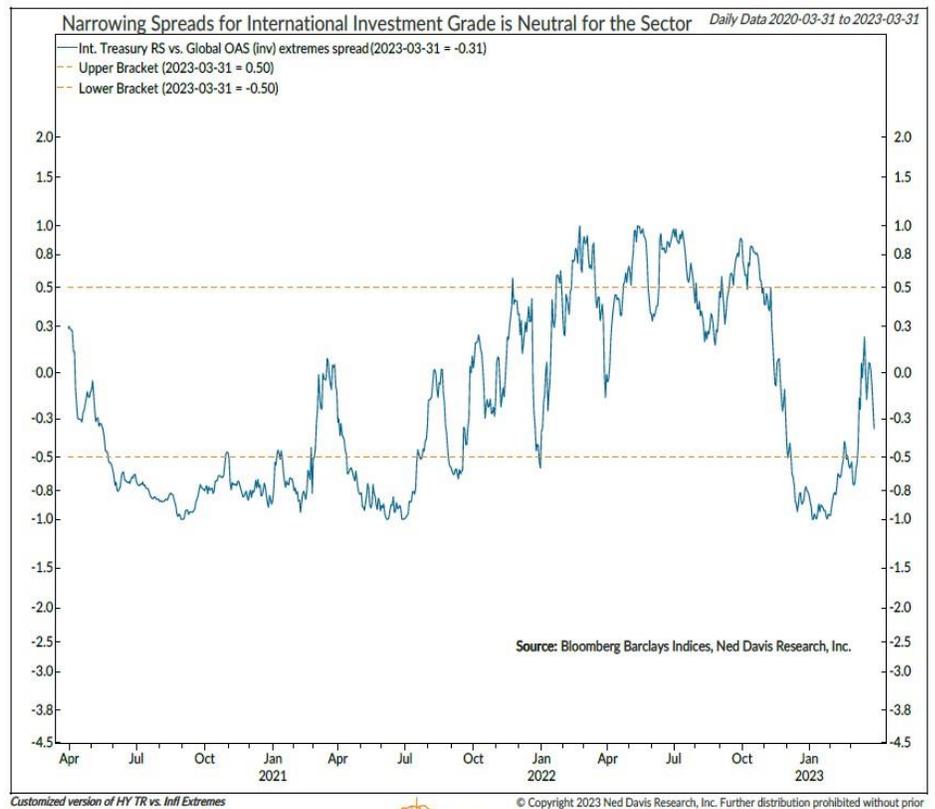
Customized version of I200



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The International Investment Grade model improved this month. Equity volatility and international investment-grade bond price trends are bullish for the sector. Narrowing global option-adjusted spreads improved to neutral this past month (chart right).

Figure 4: Narrowing Spreads for International Investment Grade is Neutral for the Sector

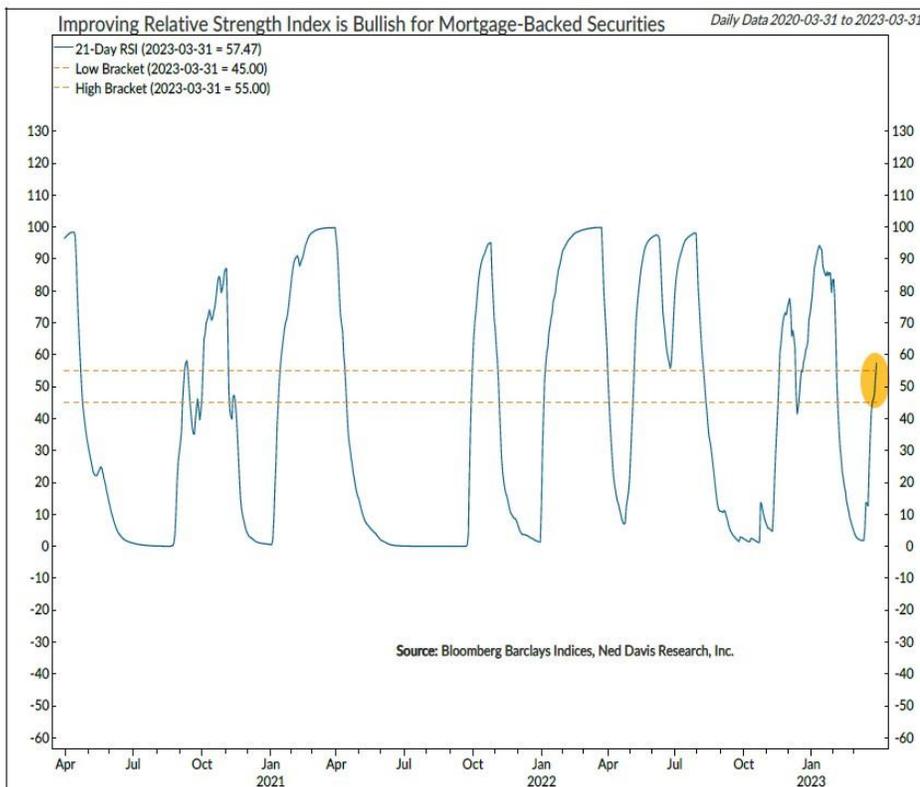


Customized version of HY TR vs. Inf Extremes



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Figure 5: Improving Relative Strength Index is Bullish for Mortgage-Backed Securities



Customized version of MBS RS RSI



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Mortgage-Backed Securities (MBS) allocation increased to overweight. With mortgage rates falling during March, two of the six indicators flipped bullish for MBS—the sector’s relative strength index (chart left) and narrowing high-yield option-adjusted spreads.

Treasury Inflation-Protected Securities (TIPS) allocation increased sharply, moving it from an underweight to an overweight position in April. On a fundamental basis, narrowing high-yield option-adjusted spreads is bullish for the sector. Technicals also improved—the relative strength index (chart right) moved bullish during the month.

Figure 6: Improving Relative Strength Index is Bullish for TIPS

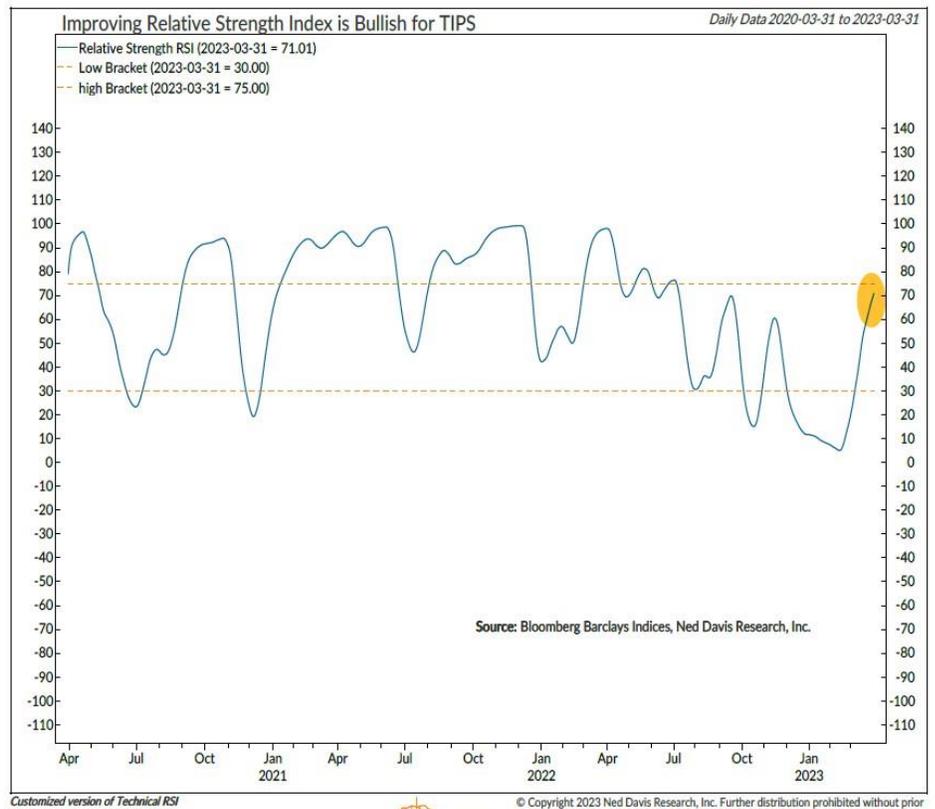
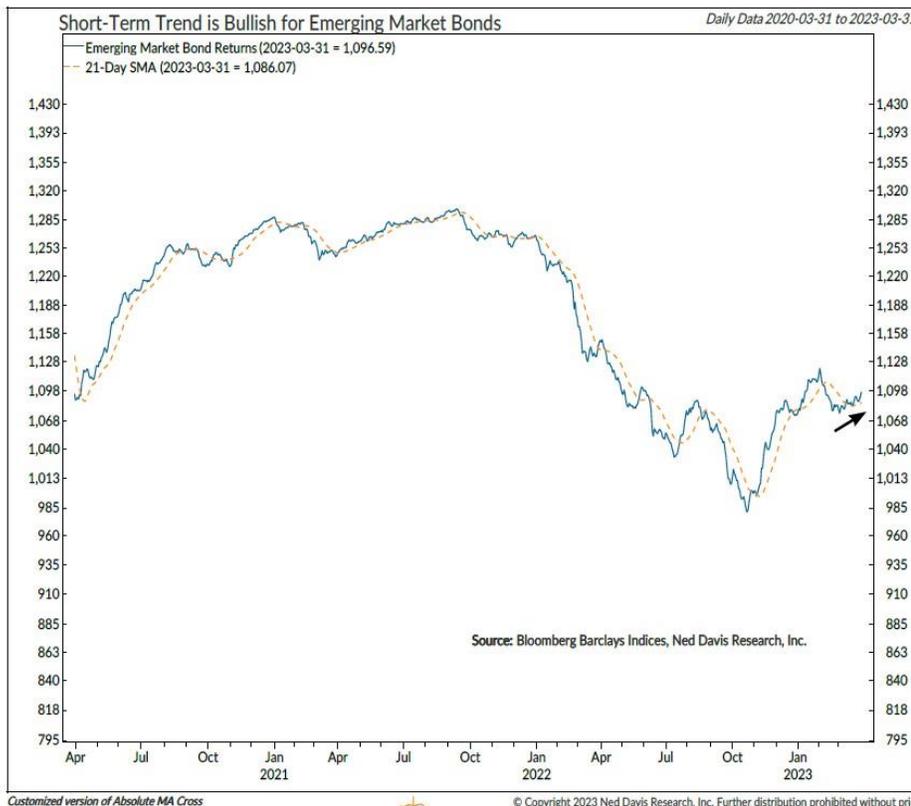


Figure 7: Short-Term Trend is Bullish for Emerging Market Bonds



Emerging Market (EM) bonds' allocation remained slightly underweight April. Due to the inverse relationship with Emerging Markets, the weakening of the U.S. Dollar relative to EM currencies became a bullish condition for both emerging market equities and bonds. As a result, the short-term trend turned bullish for the sector (chart left).

The allocation to U.S. Investment Grade Corporate bonds held steady in April, keeping the sector at a below-neutral exposure. Most of the fundamental and technical indicators are bearish for the sector. Over the last month, the reversal in the U.S. Dollar Index was bearish for the sector (chart right).

Figure 8: Weakening U.S. Dollar is Bearish for U.S. Investment Grade Corporate

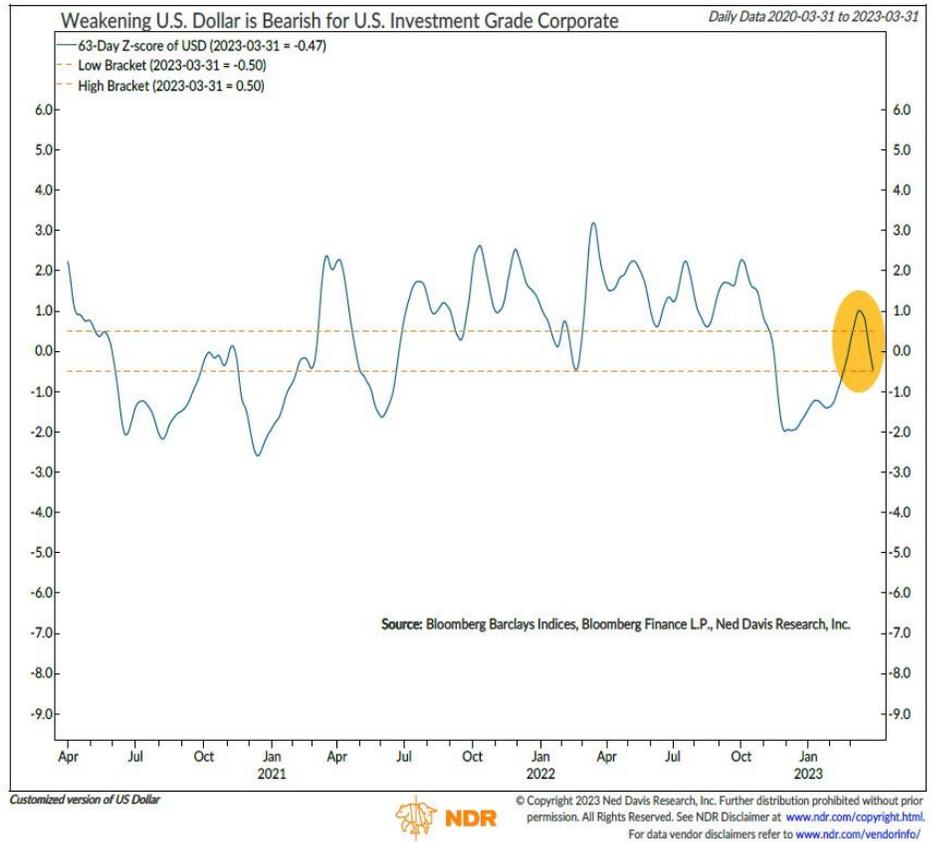
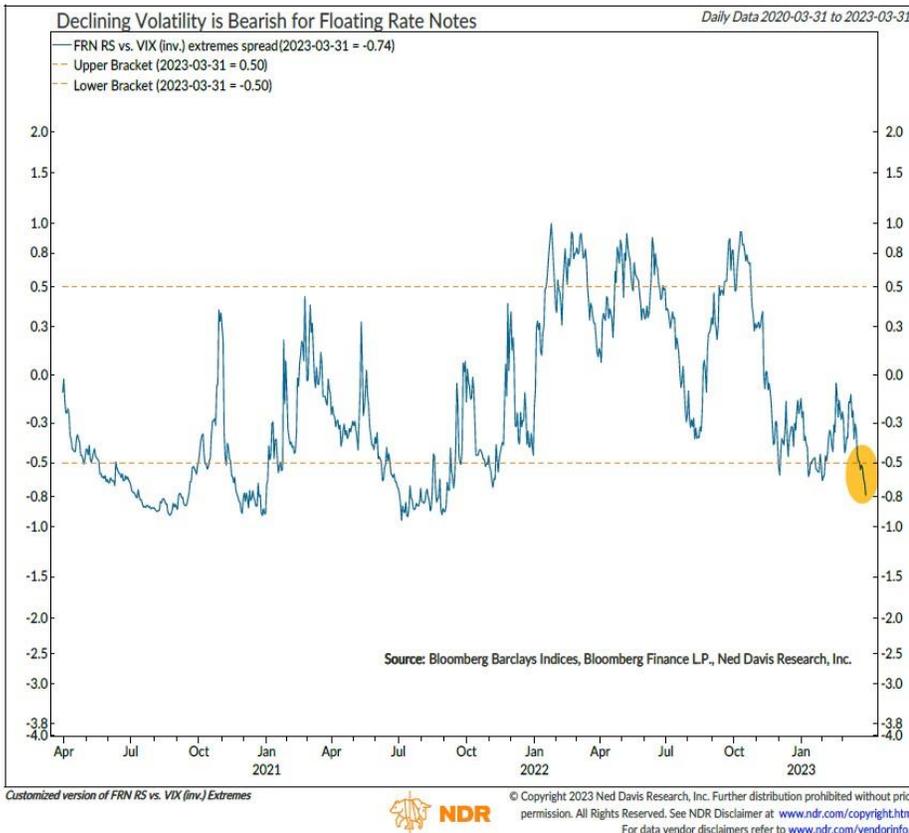


Figure 9: Declining Volatility is Bearish for Floating Rate Notes



Floating Rate Notes' allocation also held steady in April, maintaining an overweight exposure. Floating rate notes typically outperform during a rising rate environment. All fundamental and technical indicators are now bearish. A decline in volatility, as measured by the VIX (chart left), turned bearish for the sector in March.

U.S. High Yield bonds' allocation declined sharply in April, moving it from overweight to underweight. Indicators are mixed. Improving breadth was offset by a weaker small-cap equity trend (chart right) and lower volatility.

Figure 10: Weak U.S. Small Cap Equity Trend is Bearish for High Yield Bonds

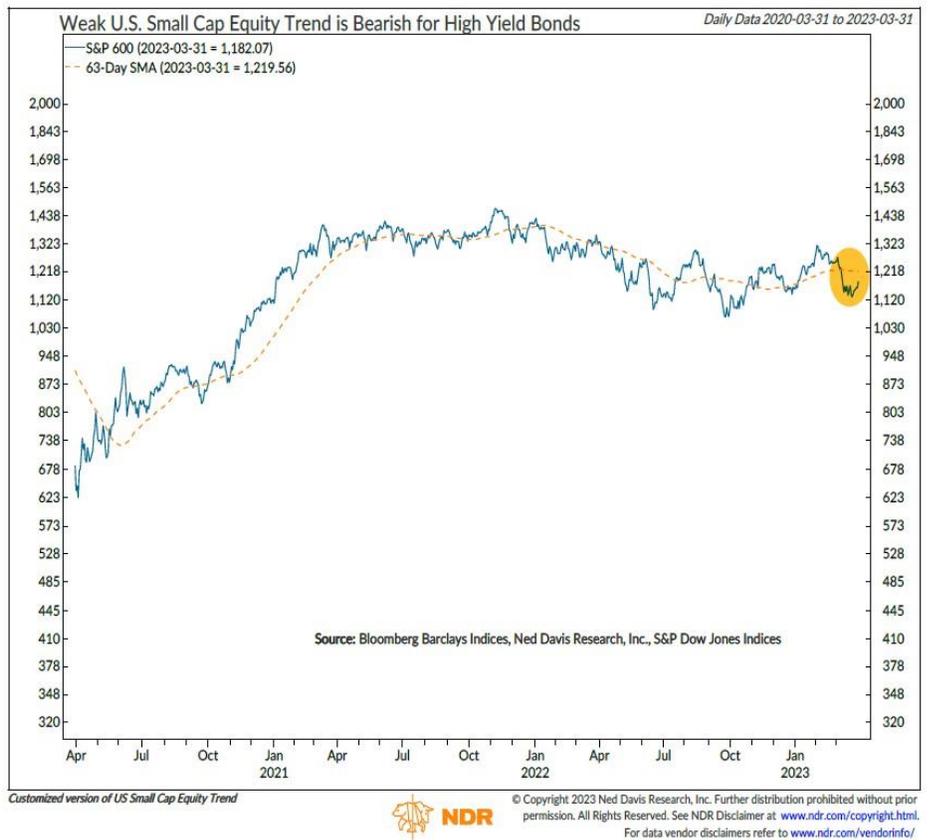
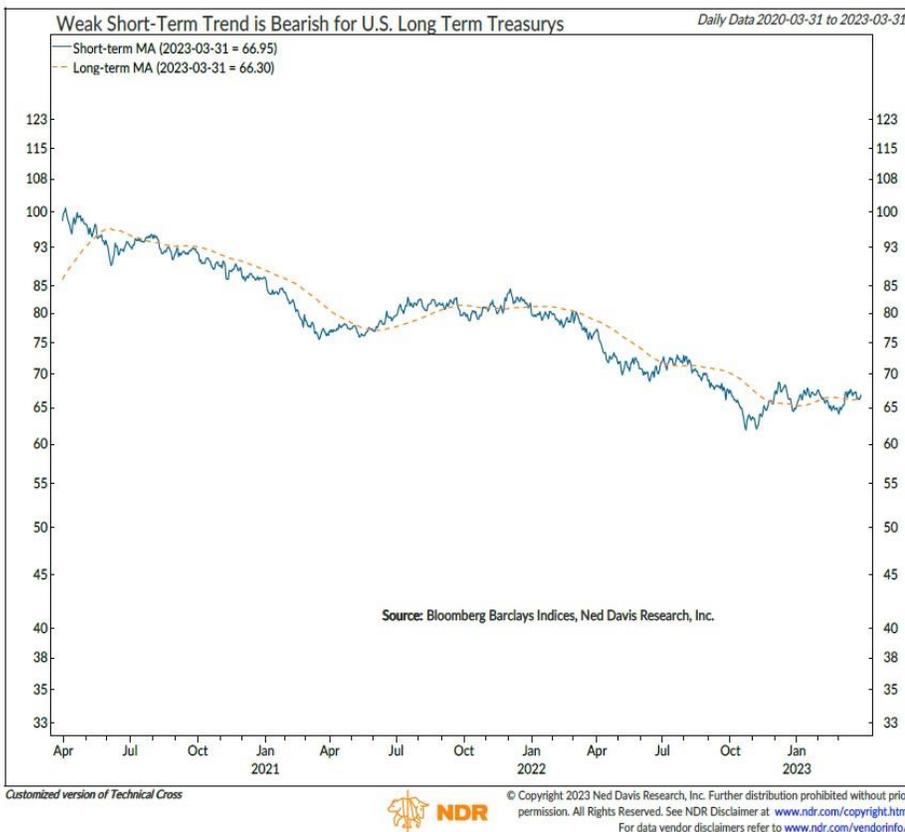


Figure 11: Weak Short-Term Trend is Bearish for U.S. Long Term Treasurys



Allocation to U.S. Long-Term Treasurys held at overweight. Improving price momentum, now bullish, was offset by a deteriorating short-term trend (chart left). Investors now expect the Fed to end the rate hike cycle on May 2, potentially unleashing lower interest rates.

Summary

With yields across the board declining in March, fixed-income sectors rallied. Entering April, the fixed income allocation strategy is overweight International Bond, U.S. Long-Term Treasury, TIPS, U.S. Investment Grade, and Floating Rate Notes. The U.S. Corporate, U.S. High Yield, and Emerging Market Bond sectors are underweight.

This strategy utilizes measures of price, valuation, economic trends, monetary liquidity, and market sentiment to make **objective, unemotional, rational decisions about how much capital to place at risk, as well as where to place that capital.**

NDR Strategists contributing to this publication: Brian Sanborn, CFA, Ed Clissold, CFA, Rob Anderson, CFA, Thanh Nguyen, CFA, Tim Hayes, CMT, Joe Kalish

Strategy Description

- The Smart Sector[®] Fixed Income strategy combines two Ned Davis Research quantitative investment strategies: The NDR Fixed Income Allocation and the NDR Catastrophic Stop.

The process is based on the weight of the evidence

- The fund begins by overweighting and underweighting fixed income sectors based on Ned Davis Research's proprietary fixed income models.
- Each of the models utilize sector-specific, weight-of-the-evidence composites of fundamental, economic, technical, and behavioral indicators to determine each area's probability of outperforming the other categories.
- Sectors are weighted accordingly relative to an equal-weighted benchmark.

When market risks become extraordinarily high — reduce your portfolio risk

- The model remains fully invested unless the Ned Davis Research Catastrophic Sell Stop (CSS) model is triggered, whereupon the areas which underperform during periods of market stress (high yield, Emerging Markets, U.S. Investment Grade, and Floating Rate Notes) are trimmed by 50%.
- The NDR Catastrophic Sell Stop model combines time-tested, objective indicators designed to identify periods of high risk for the broad financial markets. The model uses price-based, breadth, deviation from trend, fundamental, economic, interest rate, behavioral and volatility-based indicator composites.

When market risks return to normal — put your money back to work

- When the NDR CSS model moves back to bullish levels, indicating lower risk, the strategy immediately moves back to fully invested.

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