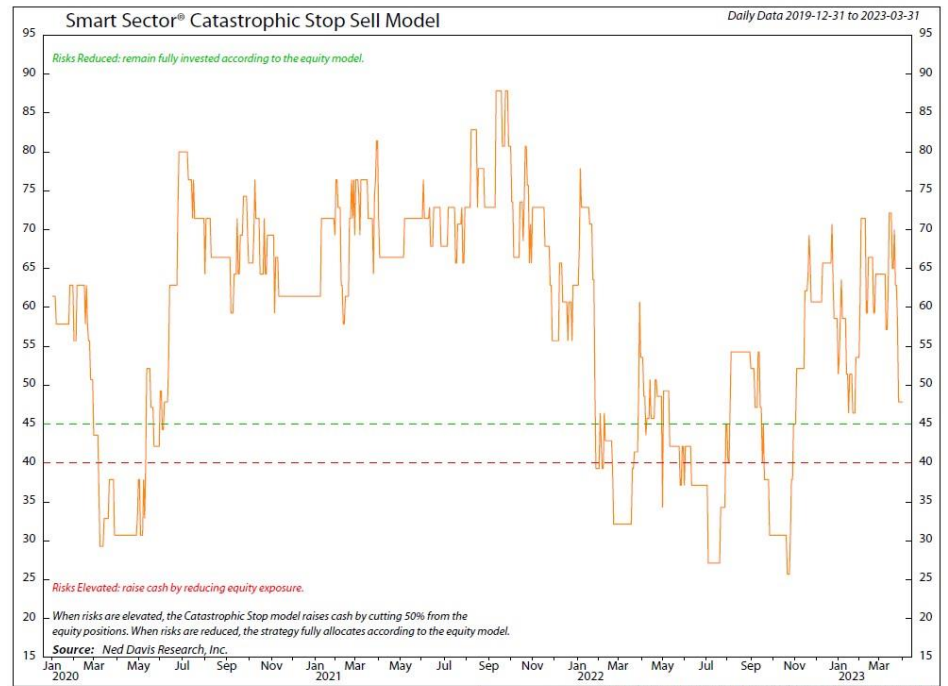


APRIL 2023

## Catastrophic Stop Update

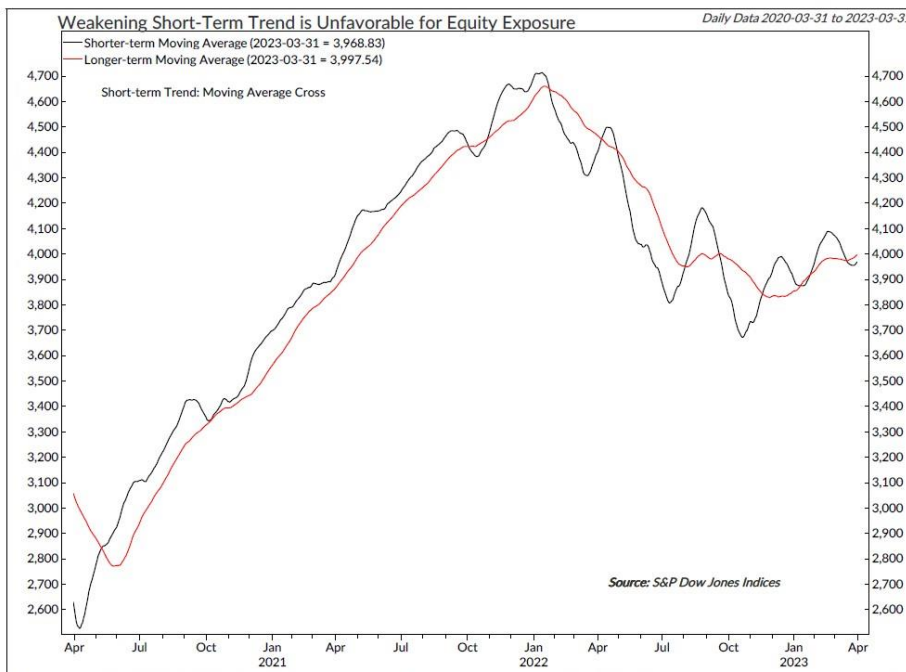
The NDR Catastrophic Sell Stop model combines time-tested, objective indicators designed to identify high risk periods for the equity market. The model (chart right) deteriorated in March but remains with a fully invested equity allocation recommendation entering April.

Figure 1: Smart Sector® Catastrophic Stop Sell Model



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



Customized version of NDRIS\_USMMRPT InternalSigs\_NDRIS



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The model deterioration was mostly driven by weaker technicals—stock/bond relative strength, global stock market breadth, and stock market short-term trend (chart at 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.

If stock volume demand outpaces supply, and trend and relative strength improve, then it could indicate the market rally could be sustained. Conversely, if the stock market weakens in the near-term and investors return to fears of a recession, the stock market rally could be short-lived.

## Global Market Update

The ACWI ex. U.S. Total Return Index increased over 250 basis points in March. The index has oscillated between positive and negative monthly returns since November. Among the strongest performing markets were Saudi Arabia, Denmark, China, Peru, and Portugal, while the largest underperformers included Austria, Greece, United Arab Emirates, Turkey, and Chile.

The global economy continued to show signs of improvement, according to the February S&P Global Purchasing Managers' Index (PMI) readings. The global composite PMI jumped 2.3 points, its

third straight increase and the most since July 2020, to 52.1, the highest level and first expansion since mid-2022.

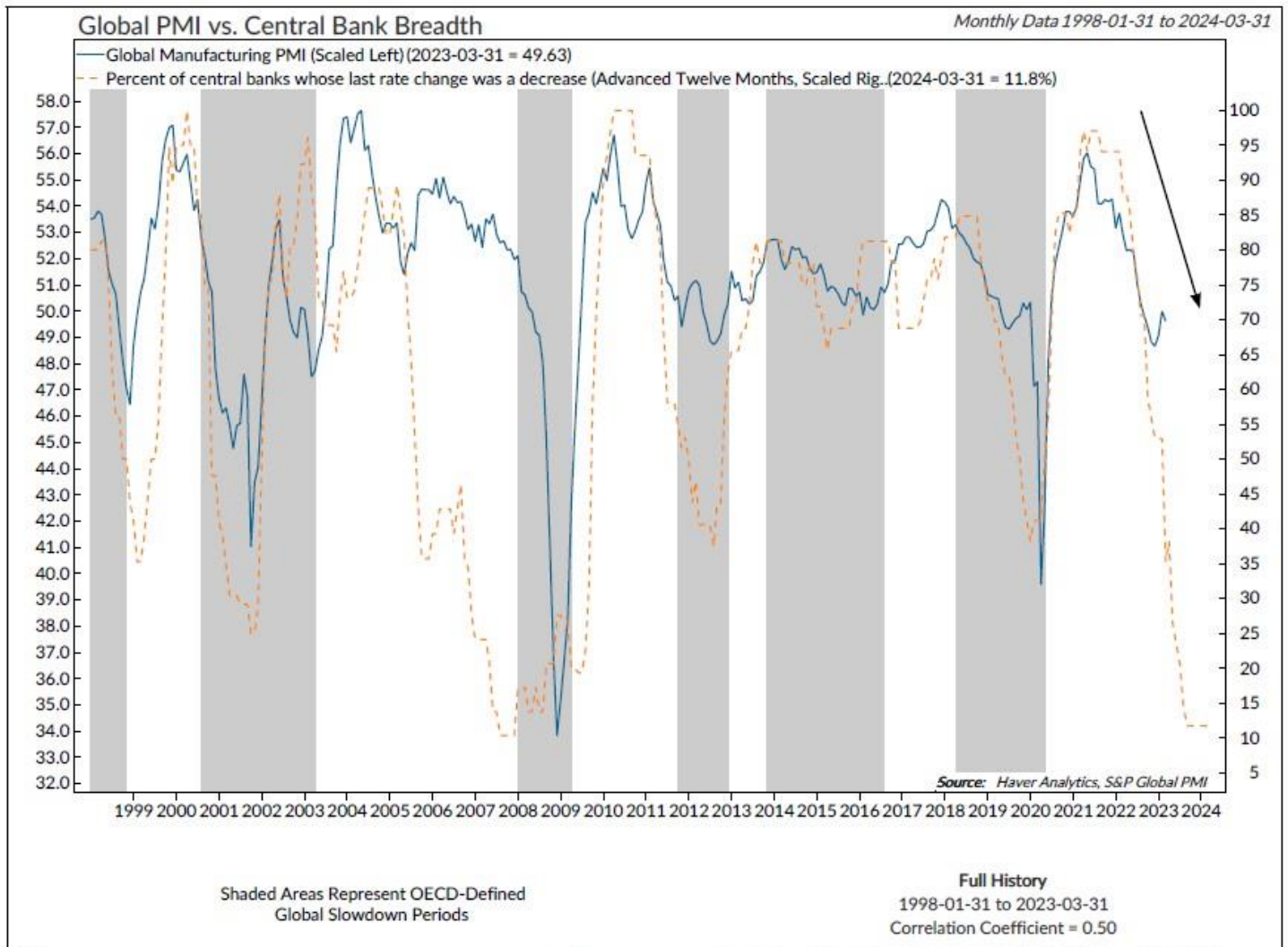
Global new orders expanded for the first time in seven months, while the future output index climbed to its highest level in nearly a year. China contributed greatly to the global figure as the end of its zero-COVID policy has seen growth surge. Even outside of China, the expansion broadened across the globe, as the global composite PMI excluding China also rose to an eight-month high.

Despite these favorable signs, downside risks remain elevated. History suggests

that tight monetary policy will continue to limit potential upside in the global economy for the foreseeable future (chart at bottom). Moreover, stubbornly high inflation may keep central banks tighter for longer, effectively increasing the risk of recession.

Entering April, the non-U.S. equity Core model overweighted the U.K., Germany, and Switzerland while underweighting Canada and China. The Explore model favored the Philippines, Thailand, Netherlands, New Zealand, Spain, and Mexico.

Figure 3: Global PMI vs. Central Bank Breadth



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## Core Allocations

France's allocation has retreated from an overweight to a benchmark weighting as the market has rallied back to near its all-time high. The trend is positive as the market trades above its 50- and 200-day moving averages, and breadth has strongly improved, but it is overbought at current levels (chart at right). The strengthening technical indicators reflect macroeconomic and fundamental improvement. France's services PMI remains in expansionary territory. Earnings growth continues to be positive on a year-over-year basis.

Figure 4: MSCI France Price & A/D Line Relative to 100-Day Moving Average

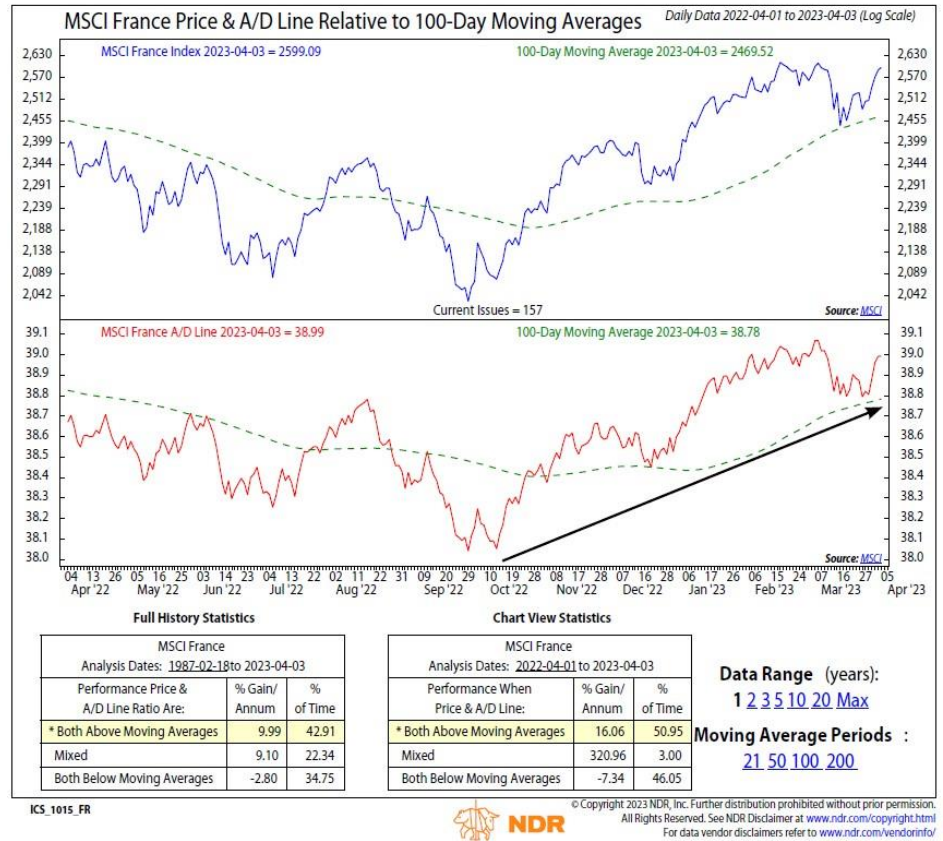
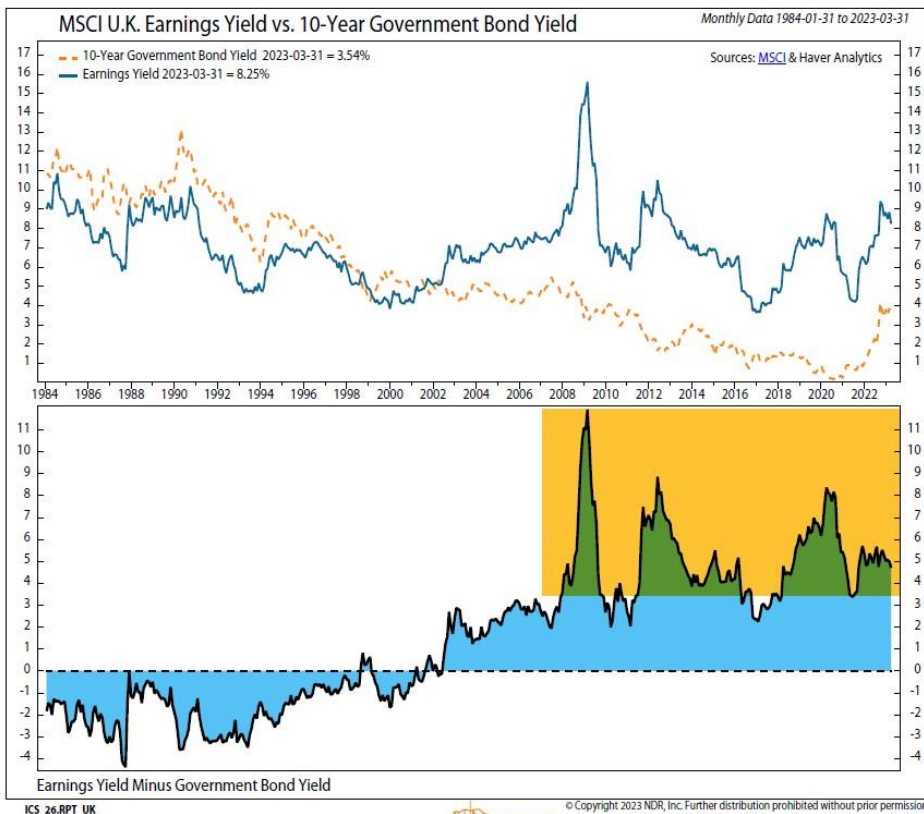


Figure 5: MSCI U.K. Earnings Yield vs 10-Year Government Bond Yield

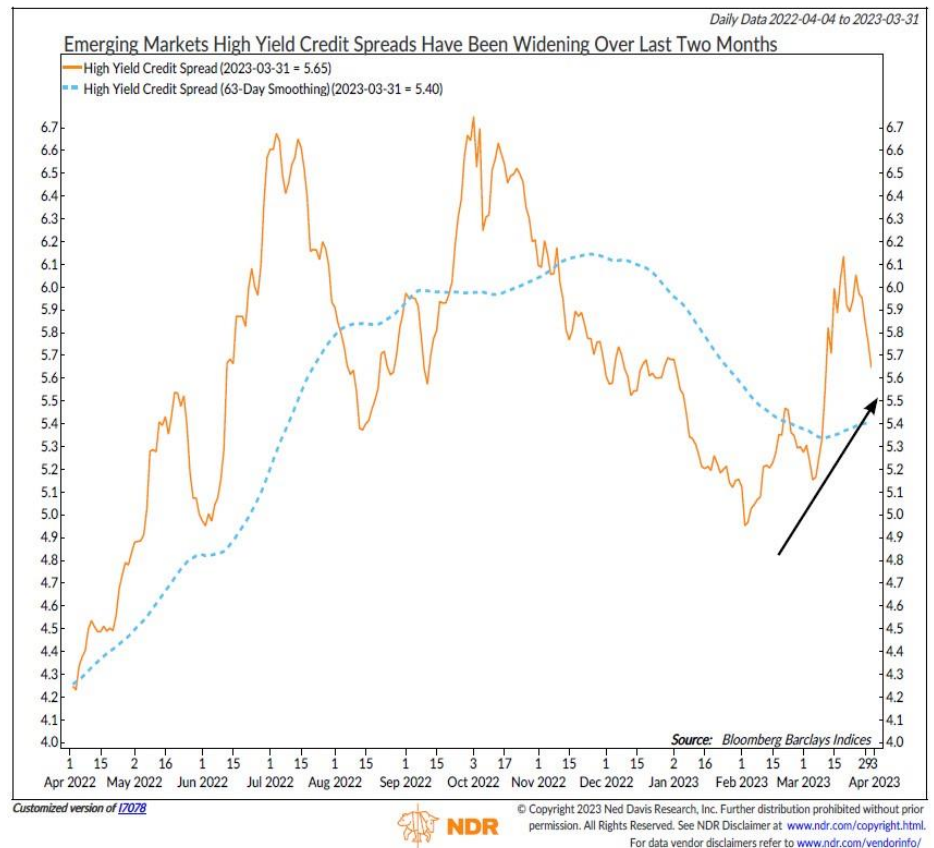


The U.K shifted to overweight status this month. The market is within 5% of its all-time high. Market sentiment is reversing from a pessimistic condition. Option-adjusted spreads widened during March, but their overall trend remains lower. The long-term, cyclically adjusted price-to-earnings ratio continues to trade below its 40-year average. Relative valuations are also attractive for the U.K., as its earnings yield is over 400 bps above its 10-year yield (chart at left).

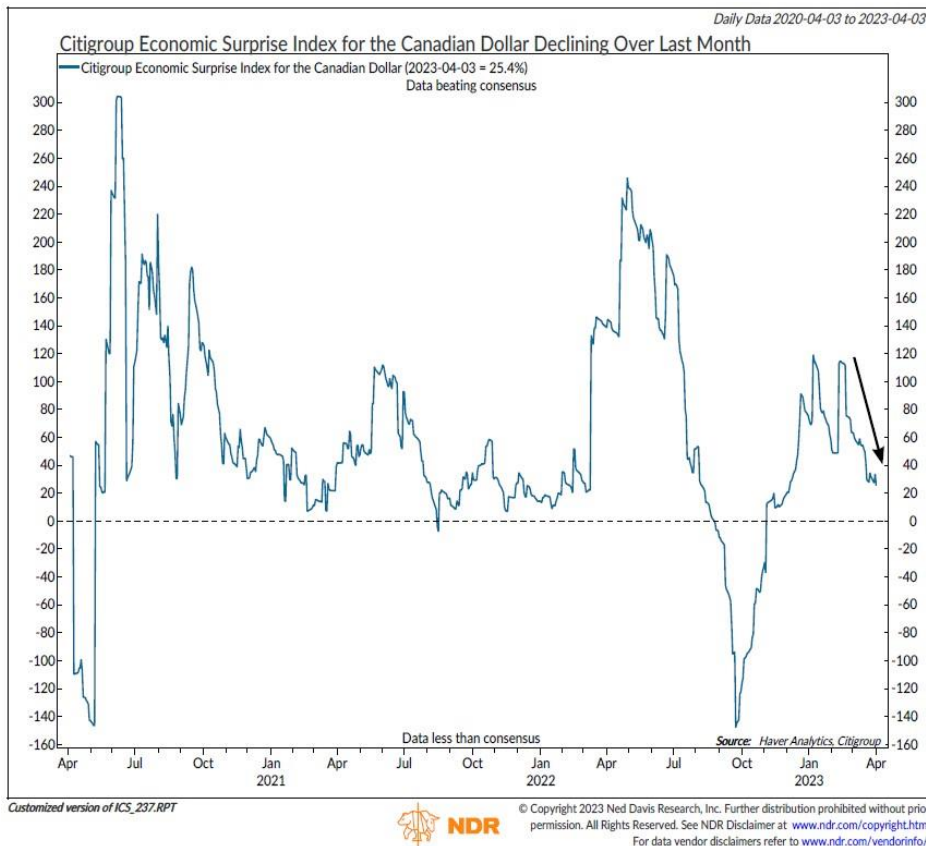


China has improved to a benchmark allocation. Although the Chinese economy expanded at a fast pace in February, the government's growth target of around 5% points to more subdued stimulus this year, which will limit the industrial rebound. The market's relative strength, absolute price trend, and momentum all reflect expected headwinds. Emerging Market high-yield credit-spreads have widened over the last two months (chart at right), showing concerns in the fixed-income market.

**Figure 6: Emerging Markets High Yield Credit Spreads Have Been Widening Over Last Two Months**



**Figure 7: Citigroup Economic Surprise Index for the Canadian Dollar Declining Over Last Month**



Canada has the largest underweight position for April. Economic expectations have significantly softened over the last month. Canada had one of the largest declines in the Citigroup Economic Surprise Index during March (chart at left). Only one indicator currently has a positive outlook for Canada. However, it is a longer-term price trend indicator that has been deteriorating. None of the external measures (valuation, currency, macroeconomic) currently have a favorable view on the market.

## Explore Opportunities

Among the top-ranked Explore markets are the Philippines, Thailand, Netherlands, New Zealand, Spain, and Mexico:

- Philippines, Thailand, Netherlands, New Zealand, and Spain have favorable price trends as their 50-day moving averages trade above their 200-day moving averages.
- Over the last five days, the Philippines and New Zealand regions are more than one standard deviation oversold, which historically has

provided a near-term bounce opportunity.

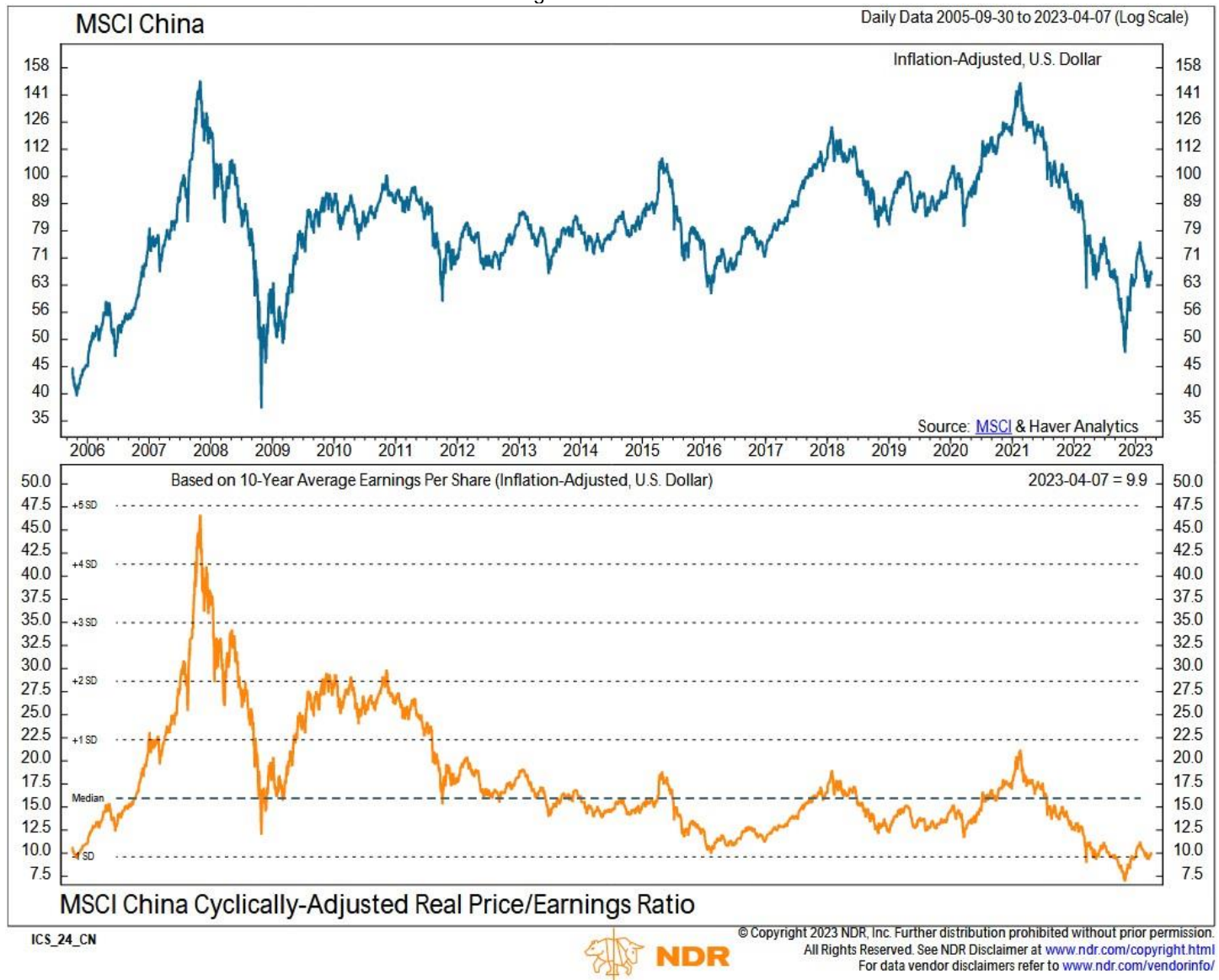
- Philippines and New Zealand have low market capitalization-to-GDP ratios, which typically indicate a favorable valuation.
- Philippines possesses cyclically adjusted price-to-earnings ratios (long-term valuation metrics), trading almost one standard deviation below the historical median.

• Philippines and New Zealand have elevated manufacturing PMIs, which are in the expansionary zone.

- Philippines, Singapore, Netherlands, and New Zealand have double-digit one-year forward earnings growth estimates.

As shown in the chart below, China (and Emerging Markets in general) remain at historically inexpensive levels.

Figure 8: MSCI China



## Summary

The Catastrophic Stop model deteriorated in March but remains with a fully invested Core and Explore allocation entering April. The Core model overweighted the U.K., Germany, and Switzerland while

underweighting Canada and China. The Explore model favored the Philippines, Thailand, Netherlands, New Zealand, Spain, and Mexico. The models combine macro, fundamental, technical, and sentiment

indicators to determine opportunities and identify risks in an objective, weight-of-the-evidence approach.

## Strategy Description

- The Smart Sector® International strategy combines three Ned Davis Research quantitative investment strategies: The Core International, Explore International, and the NDR Catastrophic Stop.

## The process is based on the weight of the evidence

### Core Allocation

- The fund begins by overweighting and underweighting the largest non-U.S. equity markets based on Ned Davis Research's proprietary models.
- Each of the models utilize market-specific, weight-of-the-evidence composites of fundamental, economic, technical, and behavioral indicators to determine each area's probability of outperforming the ACWI ex. U.S. Markets are weighted accordingly relative to benchmark weightings.

### Explore Allocation

- To select smaller markets, the fund uses a multi-factor technical ranking system to choose the top markets. The markets with the highest rankings split the non-Core model allocation equally.

## 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 equity-invested position is trimmed to 50%.
- The NDR Catastrophic Sell Stop model combines time-tested, objective indicators designed to identify periods of high risk for the broad U.S. equity market. 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.

For more information, please contact us at:

### Day Hagan Asset Management

1000 S. Tamiami Trl

Sarasota, FL 34236

Toll Free: (800) 594-7930

Office Phone: (941) 330-1702

Website: <https://dayhagan.com/> or <https://dhfunds.com/>

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