



MARKET GPS

DIVERSIFIED ALTERNATIVES OUTLOOK 2021

DAVID ELMS

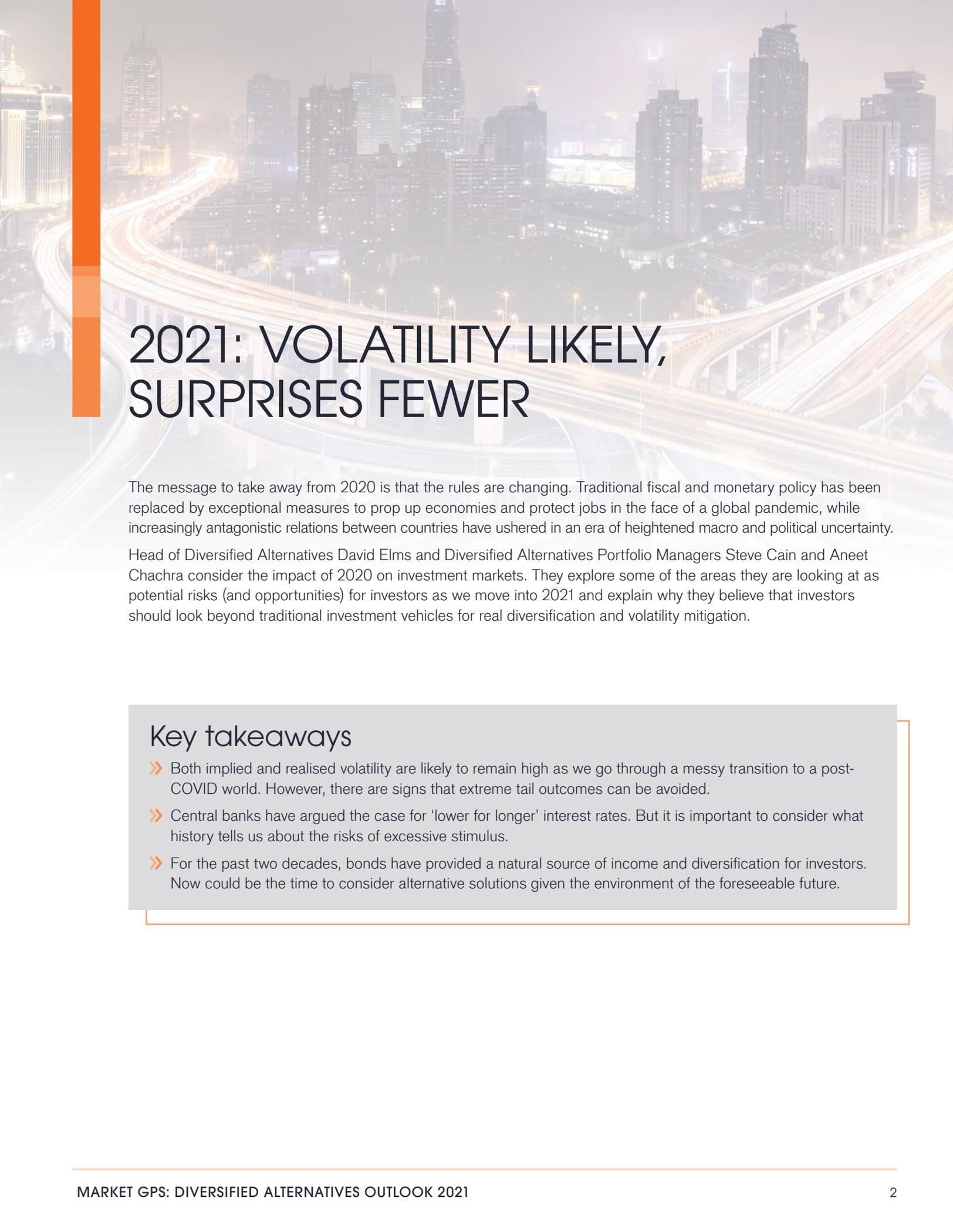
Head of Diversified Alternatives | Portfolio Manager

STEVE CAIN

Portfolio Manager

ANEET CHACHRA, CFA

Portfolio Manager



2021: VOLATILITY LIKELY, SURPRISES FEWER

The message to take away from 2020 is that the rules are changing. Traditional fiscal and monetary policy has been replaced by exceptional measures to prop up economies and protect jobs in the face of a global pandemic, while increasingly antagonistic relations between countries have ushered in an era of heightened macro and political uncertainty.

Head of Diversified Alternatives David Elms and Diversified Alternatives Portfolio Managers Steve Cain and Aneet Chachra consider the impact of 2020 on investment markets. They explore some of the areas they are looking at as potential risks (and opportunities) for investors as we move into 2021 and explain why they believe that investors should look beyond traditional investment vehicles for real diversification and volatility mitigation.

Key takeaways

- » Both implied and realised volatility are likely to remain high as we go through a messy transition to a post-COVID world. However, there are signs that extreme tail outcomes can be avoided.
- » Central banks have argued the case for 'lower for longer' interest rates. But it is important to consider what history tells us about the risks of excessive stimulus.
- » For the past two decades, bonds have provided a natural source of income and diversification for investors. Now could be the time to consider alternative solutions given the environment of the foreseeable future.

The market backdrop coming into 2020 was benign – US stocks at record highs, US unemployment at record lows, and implied volatility measures pinned near lows. Initial news of a virus spreading in China had little impact. Markets were unprepared for a surprise.

Fast-forward nine months to the US election. It was closely followed around the world and we were barraged with polling data, forecast maps, and opinions on every possible outcome. The equity volatility index (VIX) closed at its highest-ever pre-election reading. Markets were prepared for a surprise. The election result was close in several states and the sitting President hotly disputed the result. In any other year, this would be a constitutional crisis, but in 2020 we have collectively taken the President's lawsuits and tweets in stride.

Nevertheless, actual market moves have been objectively quite volatile – the S&P 500® Index posted its largest-ever gain for the day after the US election, followed within days by the largest-ever value versus growth move on Pfizer's vaccine announcement. But 2020 has already vaccinated us from surprises – short of aliens landing on Earth, it seems there is little that can truly shock us now.

Some caution can be good by making us more anti-fragile. Examples: household savings rates have increased (on average), portfolio leverage has declined, and countries are more resilient to future travel or supply-chain shocks.

We expect both implied and realised volatility to remain high as we go through a messy transition to a post-COVID-19 world. However, there are signs that extreme tail outcomes

can be avoided. The US election resulted in political gridlock, nevertheless it seems likely that Congress will quickly agree to new spending if markets fall sharply again. The COVID-19 situation is rapidly worsening across most of the world, but multiple vaccines are on track for 2021.

Hyper-vigilance and anxiety create overreactions, increasing short-term volatility, but also make a complete 'out of the blue' shock less likely. From a market perspective, the memory of 2020 will periodically create transient dislocations and opportunities as investors understandably fear getting burned again.

2021 likely brings continued volatility but fewer surprises. Then again, all forecasts for 2020 were useless.

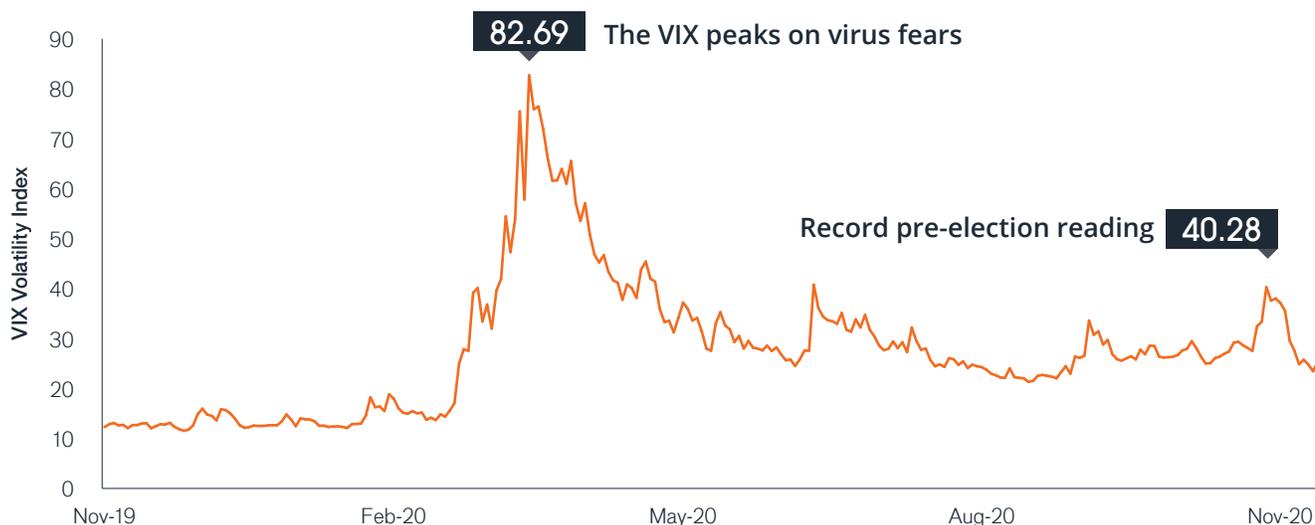
Inflation risk – what if?

A key part of our role as investment managers is to look ahead and scan the world for risk that could materially affect our strategies, but which does not seem appropriately priced into the market's matrix of cross-asset prices.

Looking to the horizon (whether it be near or far) we observe a material risk for many investors' portfolios, which we believe is an opportunity for either hedging or risk taking. Namely 'inflation'.

The arguments for 'lower for longer' are well known, and central banks tell us they will manage interest rates to remain low for some time, come what may. But with that backdrop we must pose the question: what if interest rates rise – not a few basis points but a few percent?

Exhibit 1: A benign market backdrop gives way to persistent uncertainty in 2020



Source: Bloomberg, 1 November 2019 to 13 November 2020.

But why would they rise?

Perhaps history might give us some idea. In 1941, interest rates bottomed – not at the end of the war, but when the US was drawn into the conflict. It is possible to argue that at that point, the market began to price in the war's resolution. There were huge obstacles ahead, the victory needed to be won, but the market's perception was that the outcome was set. The subsequent WW2 boom laid the groundwork for the Great Inflation (1965-1982), as illustrated in Exhibit 2, with US interest rates consequently reaching a record high of 20% in March 1980.

Now let us postulate that news on the development of a potentially game-changing vaccine was the equivalent of 1941. The fight against COVID-19 is still to be won, we still face the huge logistical challenges that come with manufacture, delivery and inoculation on a global scale, but with a range of potential vaccines under development, the outcome is now clear.

However, we have seen stimulus measures of such scale in 2020 that it may be almost impossible to reverse. This is fiscal policy at levels not unlike the war effort, when countries resorted to printing excessive amounts of money to cover the costs. What happens if we start to price a boom like the post-war years? What happens if

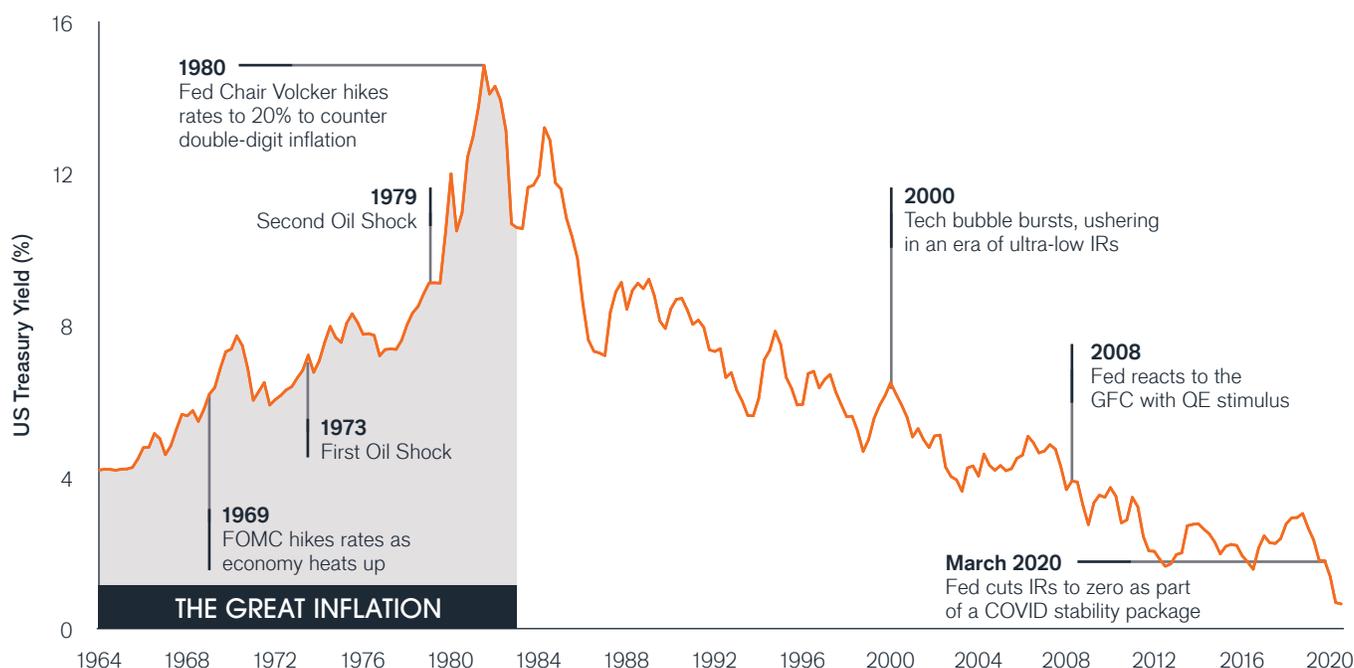
the world starts to party like it were 1920 again, following the end of the Spanish flu pandemic? Perhaps then, given the potential risk of over-stimulus, it would be difficult to maintain interest rates as low as they are, for as long as is priced. The party could be short-lived ...

The risk of this scenario does not seem priced into rates' volatility, offering an opportunity for hedges that may be attractively priced, given the potential risk of this outcome. If the market cannot see the path, it cannot price in the risk appropriately.

Correlation risk ... what if?

For the past two decades, fixed income allocations not only provided income but also outperformed during periods of equity market weakness. Although bond yields have steadily fallen across the world, cutting income, this adverse effect was largely made up by rising hedging benefits. The negative correlation between stocks and bonds can be quite valuable when bond gains offset equity losses during periods of market stress. For example, during the most recent drawdown (19 February to 23 March 2020), US 10-year Treasuries returned +7% as the S&P 500 dropped -34%.

Exhibit 2: The post WW2 boom laid the groundwork for the Great Inflation (1965 to 1982)



Source: Refinitiv Datastream, Janus Henderson Investors, Global Financial Data, Ind, Federal Reserve Board, Haver Analytics, Goldman Sachs Global Investment Research, 1 January 1964 to 14 August 2020. Past performance is not a guide to future performance.

Note: IRs (interest rates), Fed (US Federal Reserve), QE (quantitative easing), FOMC (Federal Open Market Committee), Volcker was head of the US Federal Reserve from 1979 to 1987.

However, with US yields quite low now, not only is bond income reduced, but upside is capped as well. There is much less room for rates to fall, which reduces diversification potential.

Evidence from Japan and Europe supports this view. Notably, during the same drawdown period above, the Japanese Government Bonds (JGB) Index declined approximately 1% and the Eurozone Government Bonds Index declined 2%. These 'risk-free' bonds not only had a negative coupon but also modestly declined in value during the recent market turmoil.

More generally, the diversification benefits provided by bonds are constrained at low yields, while the risk of higher rates or a change in correlation regime increases. Exhibit 3 compares the rolling 1-year daily correlation between stocks/bonds in the US, Japan and Germany, respectively, from January 2014 to October 2020.

Looking at the chart, you can see US stocks/bonds have been the most negatively correlated, averaging -0.4 versus -0.2 for Japan/Germany. Treasuries have also nearly always been the best diversifier (the blue line is mostly below the others) due to US rates being initially much higher.

With Japanese and German rates now at rock-bottom levels, the potential income and diversification benefits of JGBs and Bunds are limited. US bonds are likely heading down the same path – albeit with low but still positive income and reduced portfolio diversification benefits.

Instead of Treasuries mostly being 'risk-on' versus 'risk-off', price moves will be substantially influenced by financial system liquidity needs, Treasury issuance, US Federal Reserve buybacks, and flows from target-date/balanced funds, etc. We believe that a weakened offsetting relationship between stock and bond price moves may further reduce their appeal as a portfolio hedge.

Finally, investors face the growing risk that stocks and bonds start moving together, as observed through most of the 1990s, leading to potential simultaneous losses. Thus, instead of relying primarily on bonds for portfolio protection, investors may in 2021 consider adding other assets and strategies that are uncorrelated to stocks.

In summary

The past year has seen an evolution of macroeconomic and political risk coupled with risk and risk-free assets rising or falling in concert with government and central bank monetary policy. For 2021, volatility is likely to persist, with the risks outlined above playing their part. This suggests it is prudent for investors to assess the true diversification in their portfolios. This, for some, will mean ensuring some aspect of 'portfolio protection' to mitigate the impact of any sustained period of market stress. We may well be more accepting of surprises than this time last year, but equally, the value of being prepared is also hopefully more fully appreciated.

Exhibit 3: Are we moving towards a change in correlation regimes?



Source: Bloomberg, Janus Henderson Investors, 1 January 2014 to 30 October 2020. *Denotes average correlations.

About the authors



DAVID ELMS

Head of Diversified Alternatives | Portfolio Manager

David Elms is Head of Diversified Alternatives and a Portfolio Manager at Janus Henderson Investors responsible for enhanced index, risk premia, and hedge portfolios. Prior to joining Henderson in 2002, he spent eight years as a founding partner at Portfolio Partners. He was initially based in Melbourne, where he managed derivatives and enhanced index portfolios, and was later seconded to Aviva in London in a corporate strategy role following Aviva's acquisition of Portfolio Partners. Earlier, he spent three years as associate director at County NatWest Investment Management, Melbourne, where he was responsible for equities and equity derivative trading as well as quantitative research.

Mr. Elms received a BCom degree (Hons) from the University of Melbourne, Australia. He has 29 years of financial industry experience.



STEVE CAIN

Portfolio Manager

Steve Cain is a Portfolio Manager at Janus Henderson Investors, a position he has held since joining Henderson in 2010. Prior to Henderson, Steve ran Kurtosis Capital Partners. He was a partner as well as a volatility and macro portfolio manager at JWM Partners from 2006 to 2009. From 2004 to 2006, he was founding partner and currency and macro portfolio manager at Nylon Capital. In 2002, he was managing director, head of macro strategies at Shumway Capital Partners. Steve started his career in 1987 in investment banking. Between 1987 and 2002, he held a variety of roles managing currency and emerging market businesses at numerous global investment banks.

Mr. Cain received a BA degree (Hons) in philosophy, politics and economics from Oxford University. He has 33 years of financial industry experience.



ANEET CHACHRA, CFA

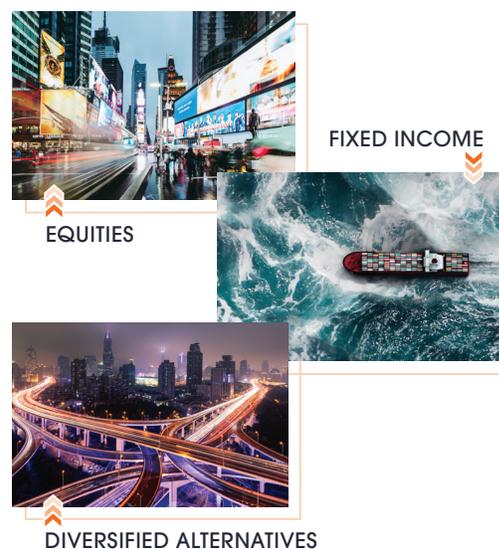
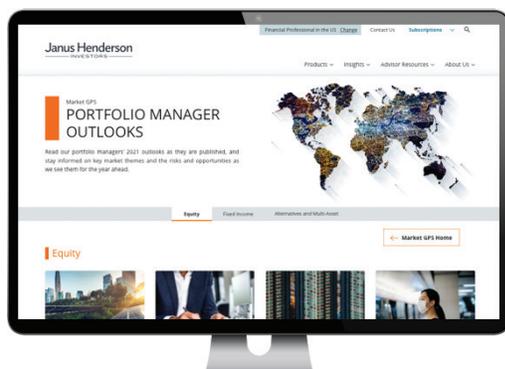
Portfolio Manager

Aneet Chachra is a Portfolio Manager at Janus Henderson Investors on the Multi Strategy and Global Diversified Risk Premia strategies. Prior to joining Henderson in 2012, Aneet was an equity analyst at Citigroup. Before Citigroup, he was a strategist at Outpost Investment Group, where he generated trade ideas, researched thematic issues and published investment commentary. Aneet also developed quantitative trading strategies and portfolio analytics at JWM Partners. He began his career in 2000 at Morgan Stanley developing tools for interest rate derivatives and corporate bonds. Aneet's research work has been quoted in numerous financial publications.

Mr. Chachra holds a BAsc degree in engineering and a BA degree in economics from the University of Waterloo in Canada. He also holds the Chartered Financial Analyst designation and the Investment Management Certificate. He has 20 years of financial industry experience.

What should be on the radar for investors in 2021?
The Janus Henderson Market GPS helps direction-set
with a video summary, in-depth asset class analysis
and our latest portfolio manager views.

Explore the full
Market GPS: Investment Outlook 2021
at janushenderson.com



Janus Henderson
INVESTORS

Important information

The opinions and views expressed are those of the author(s) and are subject to change without notice. They do not necessarily reflect the views of others in Janus Henderson's organization.

The views presented are as of the date published. They are for information purposes only and should not be used or construed as investment, legal or tax advice or as an offer to sell, a solicitation of an offer to buy, or a recommendation to buy, sell or hold any security, investment strategy or market sector. Nothing in this material shall be deemed to be a direct or indirect provision of investment management services specific to any client requirements. Opinions and examples are meant as an illustration of broader themes, are not an indication of trading intent, and are subject to change at any time due to changes in market or economic conditions. It is not intended to indicate or imply that any illustration/example mentioned is now or was ever held in any portfolio. No forecasts can be guaranteed and there is no guarantee that the information supplied is complete or timely, nor are there any warranties with regard to the results obtained from its use. In preparing this document, Janus Henderson Investors has reasonable belief to rely upon the accuracy and completeness of all information available from public sources. Past performance is no guarantee of future results. Investing involves risk, including the possible loss of principal and fluctuation of value.

Not all products or services are available in all jurisdictions. The distribution of this material or the information contained in it may be restricted by law and may not be used in any jurisdiction or any circumstances in which its use would be unlawful. The contents of this material have not been approved or endorsed by any regulatory agency. Janus Henderson is not responsible for any unlawful distribution of this material to any third parties, in whole or in part, or for information reconstructed from this material.

This material may not be reproduced in whole or in part in any form, or referred to in any other publication, without express written permission. We may record telephone calls for our mutual protection, to improve customer service and for regulatory record keeping purposes.

In Europe, issued by Janus Henderson Investors. Janus Henderson Investors is the name under which investment products and services are provided by Janus Capital International Limited (reg no. 3594615), Henderson Global Investors Limited (reg. no. 906355), Henderson Investment Funds Limited (reg. no. 2678531), AlphaGen Capital Limited (reg. no. 962757), Henderson Equity Partners Limited (reg. no. 2606646), (each registered in England and Wales at 201 Bishopsgate, London EC2M 3AE and regulated by the Financial Conduct Authority) and Henderson Management S.A. (reg no. B22848 at 2 Rue de Bitbourg, L-1273, Luxembourg and regulated by the Commission de Surveillance du Secteur Financier). Advisory services in the U.S. are provided by SEC registered investment advisers that are subsidiaries of Janus Henderson Group plc. In Canada, products and services are offered through Janus Capital Management LLC only to institutional investors in certain jurisdictions.

Issued in (a) Singapore by Janus Henderson Investors (Singapore) Limited, licensed and regulated by the Monetary Authority of Singapore. Janus Henderson Investors (Singapore) Limited Company Registration No. 199700782N, for use only with C-1120-34968 12-30-21

institutional investors as defined in Section 4A of the Securities and Futures Act, Singapore. This advertisement or publication has not been reviewed by Monetary Authority of Singapore. (b) Hong Kong by Janus Henderson Investors Hong Kong Limited, licensed and regulated by the Securities and Futures Commission, (c) Taiwan R.O.C by Janus Henderson Investors Taiwan Limited, licensed and regulated by the Financial Supervisory Commission R.O.C. Independently operated by Janus Henderson Investors Taiwan Limited. Suite 45 A-1, Taipei 101 Tower, No. 7, Sec. 5, Xin Yi Road, Taipei (110). Telephone: (02) 8101-1001. Approved SICE licence number 023, issued in 2018 by Financial Supervisory Commission, (d) South Korea by Janus Henderson Investors (Singapore) Limited. In South Korea, this material is issued for the exclusive use of the recipient who warrants by receipt of this material that they are Qualified Professional Investors, (e) Japan by Janus Henderson Investors (Japan) Limited, regulated by Financial Services Agency and registered as a Financial Instruments Firm conducting Investment Management Business, Investment Advisory and Agency Business and Type II Financial Instruments Business, (f) Australia and New Zealand by Janus Henderson Investors (Australia) Institutional Funds Management Limited (ABN 16 165 119 561, AFSL 444266) and (g) the Middle East by Janus Capital International Limited, regulated by the Dubai Financial Services Authority as a Representative Office. No transactions will be concluded in the Middle East and any enquiries should be made to Janus Henderson.

For Other Countries/Regions in APAC: This material is provided for your information purposes only and must not be distributed to other persons or redistributed. This material is issued for Institutional Investors only (or professional/sophisticated/qualified investors as such term may apply in local jurisdictions).

Note to China (PRC), Africa and Colombia Readers: Janus Henderson is (a) not licensed, authorised or registered with the China Securities Regulatory Commission for investment management business or investment consultancy business or otherwise approved by any PRC regulatory authorities to provide investment management services or investment consultancy services in the People's Republic of China (the "PRC") (which, for such purposes, does not include the Hong Kong or Macau Special Administrative Regions or Taiwan). Janus Henderson Investors makes no representation and warranties that it is, and will be, in compliance with PRC laws. This document and the information contained in it is only available to select targeted institutional investors in the PRC. (b) not authorised in South Africa for marketing and (c) not authorised to market its products and/or services in Colombia or to Colombian residents unless such promotion and marketing is made in compliance with applicable rules and regulations.

For Professional and Institutional Investor Use only. This material is not to be reproduced or distributed to persons other than the recipient.

Outside of the U.S.: For use only by institutional and sophisticated investors, qualified distributors, wholesale investors and wholesale clients as defined by the applicable jurisdiction. Not for public viewing or distribution.

Janus Henderson, Janus, Henderson, Perkins, Intech, Knowledge Shared and Knowledge Labs are trademarks of Janus Henderson Group plc or one of its subsidiaries. © Janus Henderson Group plc.