

OUR MONTHLY MARKET ANALYSIS AND POSITIONING



Stefan Kreuzkamp
Chief Investment Officer and Head
of Investment Division

IN A NUTSHELL

- _ Superficially, July looks like another steady month for developed markets.
- _ However, turbulence in the middle of July as well as several flareups in emerging markets provide a reminder of the need for vigilant patience.
- _ At times like this, market psychology can easily take over, and we might well see more “weeks on the wild side” in coming months.

1 / Market overview

If you happen to have been away all of July, there are two things worth saying and one thing worth knowing. First of all, lucky you! Sitting in the sun somewhere and reading things mostly unrelated to the recent market movements was an excellent use of your time. Even if that somewhere happened to be your own garden or balcony, due to lingering Covid-19 travel restrictions or simply natural caution.

Second, however, do not be misled by a brief scan of how steady developed markets look by just considering where they started and ended the month. True enough, the S&P 500 was mostly back to its record-setting ways in the last days to July, taking its total gains in the year-to-date to about 18%. That put it a touch ahead of Europe's Stoxx 600, but not by much. Indeed, pretty much the only developed-market signals that might rouse mild curiosity on your part are the continuing declines in government-bond yields. On 10-year U.S. Treasuries, yields have fallen to about 1.25%, almost 50 basis points below their post-pandemic peak at the end of March. Meanwhile, the spread between 10-year and 2-year U.S. Treasuries flattened a bit further, to about 105 basis points. German Bunds showed a similar pattern.

That brings me to my third point. The thing worth knowing and remembering about July 2021. Not so long ago, inflation worries were all the rage. By contrast, current conventional wisdom is that there is not much to worry about in the slide in yields. It just confirms that most observers think both the U.S. Federal Reserve (Fed) and the European Central Bank (ECB) will be able steer the recovery toward a steady, post-pandemic future. They will likely provide enough support via low interest rates and asset purchases to prevent setbacks, but reduce it just in time to prevent inflationary pressures from getting out of hand.

Broadly, we continue to share that view. Recent macroeconomic readings, including gross-domestic-product (GDP) figures on both sides of the Atlantic paint a nuanced picture. That strengthens the case for central banks to be vigilantly patient, at least for now. We also think that yields may have risen too much, too quickly, early in the year and perhaps gone too far in the opposite direction more recently.

Still, this month's market analysis would be incomplete without mentioning some of the more worrying signs lately on our radar. It is not just that there was a period of market turbulence across various risky assets at the middle of the month. Nor that China has cracked down on private tutoring companies, after already taking a tougher line on its technology champions.¹

¹ <https://www.ft.com/content/e7c10981-bf06-4255-82cd-01cd1abea7ed>

Instead, veteran market observers within our team see distinct echoes of an early period in recent market reactions. Specifically, one of my colleagues from the multi-asset team recently reminded me of a classic cover of *The Economist* from November 1997. The story described “A week on the wild side” in financial markets.² That summer, troubles had started to arise in East Asia, notably Thailand. The full-fallout of what came to be known as the emerging-market crisis of 1997/98 still lay in the future.

That week in November 1997 provided an interesting early illustration of various channels of transmission, including psychological ones. At the start of the cartoon, you see a wealthy punter, whispering into the phone “I got a stock here that could really excel.” That gets translated via misunderstood whispers into “Sell”, triggering a panic. Eventually, another punter cannot take it anymore and says his “Goodbye” to all the madness. Which in turn becomes a whispered “Buy” signal, causing a frenzy and leading the cycle to start all over again.

As the old aphorism typically attributed to Mark Twain has it, “History doesn’t repeat itself, but it does rhyme.” Partly, that is due to human psychology.³ Given all the uncertainties that currently abound, from the fast spreading Delta variant to political changes, it seems quite plausible we might occasionally be in for some similarly wild episodes in coming months.⁴ Vigilant patience certainly seems like a good stance to take against such a backdrop. And, not just for central bankers, but for investors too.

2 / Outlook and changes

2.1 Fixed income

For developed-market government bonds, we mostly stay tactically neutral. We think that U.S. GDP may either have already peaked during the second quarter, or soon approach that point, with slightly lower growth momentum ahead. Still, we expect solid demand, given that U.S. consumers saved a lot during the pandemic crisis. In Europe, the new ECB strategy with a symmetric inflation target and longer-term official ECB inflation projections still below 2% continue to point toward a scenario of interests staying “low for longer.” Against this backdrop, we remain negative on 2-year German Bunds. For longer German maturities, we have moved to a neutral stance, not least as these are heavily influenced by other factors, such as the future evolution of U.S. Treasury yields. In the EU periphery, the Covid-Delta mutant and potential lockdowns in Europe should be monitored closely. For now, we remain overweight on Spain, but neutral on Italy.

Overall, we remain constructive on credit, with slight overweights for U.S. high yield, European high yield and European investment grade. In U.S. high yield, most deals coming to market are still just for refinancing and general corporate purposes. Among our preferred picks are bonds benefiting from the reopening story, for example from the leisure industry, as well as certain pockets in the commodity space, such as gas distribution. For European high yield, low primary market activity and low volatility in spreads over the summer provide additional reasons for our positive stance. Meanwhile, European investment grade should continue to benefit from ongoing low corporate credit supply in combination with the further cyclical recoveries of key European economies. That said, spreads are quite tight, partly due to the lack of alternatives from the sovereign space. For U.S. investment grade, we remain neutral for the time being, due to tight spreads and valuations.

In emerging markets, we continue to prefer high yield to investment grade. Among sovereigns, issuance is down recently and we have seen some weakness in Asia, partly driven by the Delta variant. That is also part of the reason why we moved Asia Credit back to neutral, having previously taken a positive stance. On the political side, we consider the recent protests in South-Africa and Tunisia as largely idiosyncratic stories, but remain vigilant in looking for broader patterns.

² <https://www.economist.com/leaders/1997/10/30/a-week-on-the-wild-side>; the cartoon is available here: <https://medium.economist.com/40-years-of-kal-car-toons-150145ea7a46>

³ For more on the subject if you are in need of some surprisingly entertaining beach reading in August, see Howard Marks (2018), *Mastering the Market Cycle: Getting the Odds on Your Side*, Houghton Mifflin Harcourt

⁴ As it happens, one of the more disturbing signs of what the post-pandemic future might hold has been the spread of protest movements across many middle-income countries. It is aptly described – where else – in *The Economist*: <https://www.economist.com/international/2021/07/31/the-pandemic-has-exacerbated-existing-political-discontent>

2.2 Equities

We largely stick to our strategy consisting of an overweight in information technology and a cyclical positioning in most of our subsector calls, such as positive stances on automotive, mining, commodity chemicals and oil majors. At the same time, we are cautious on most defensive sectors, such as European telecoms and real estate. Several cyclical sectors remain attractive to us at current levels and they should have a “second leg” in the second half of the year. This is because many consumers are exiting Covid richer than before which should result in a period of sustained spending on cars, travel, restaurants and luxury goods. In addition, we believe that business spending on digital and green transformation should remain on healthy levels, too. Some patience might, however, be required for this “second cyclical leg” to unfold, as investors are still judging the sustainability of high automotive margins, peak-earnings in U.S. banks (due to provision releases) and the potential for further earnings upgrades in the materials sector.

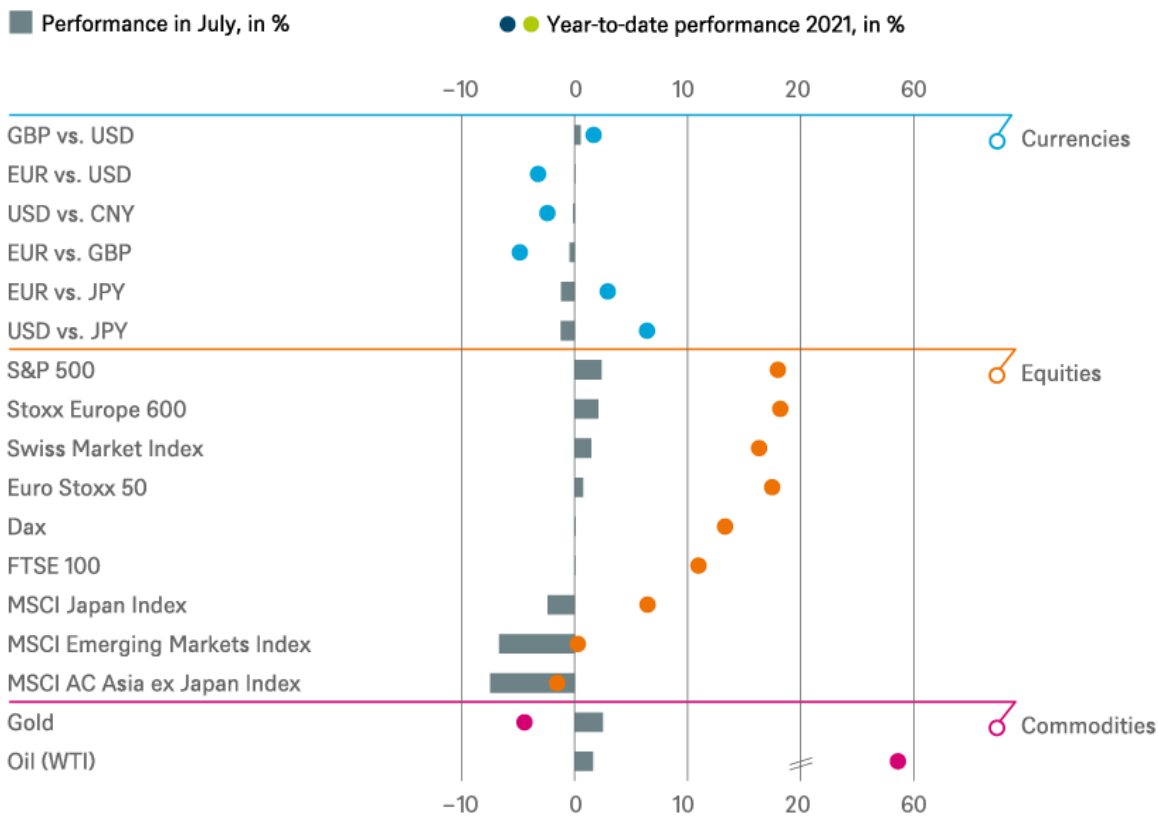
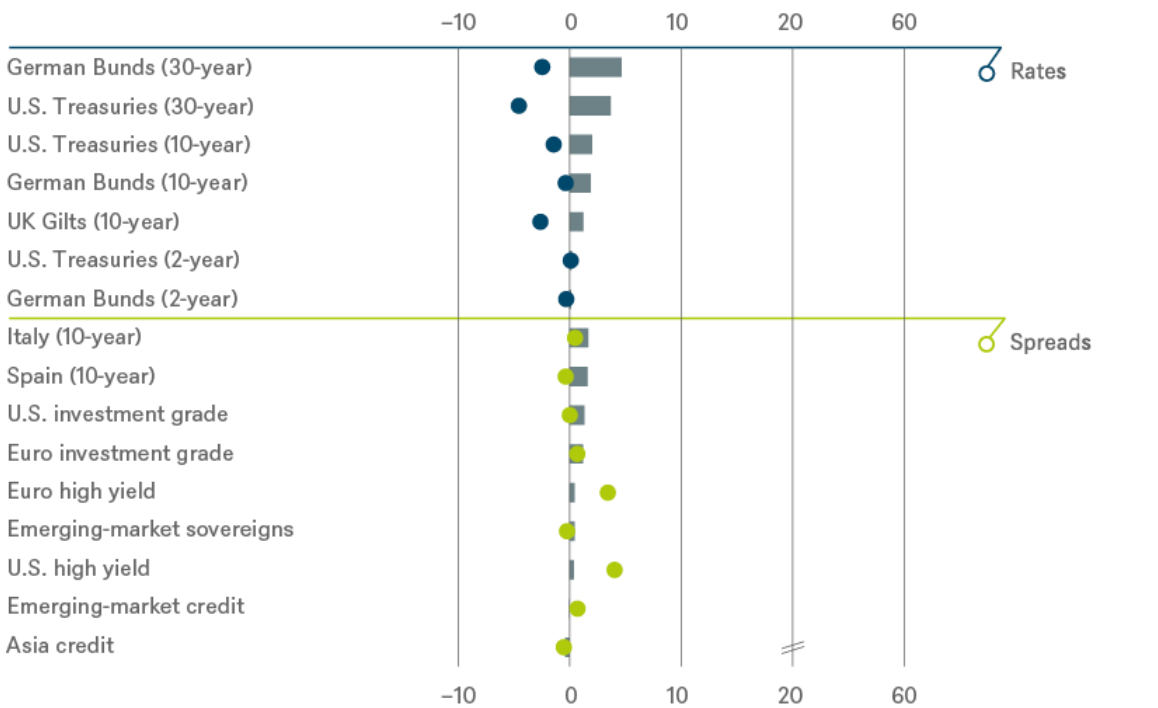
That said, a mixed macroeconomic backdrop prevents us from taking a more bullish tone on equities, at least for now. Peaks in GDP and earnings-per-share growth rates appear to be fast approaching, if they have not been reached already. On the recently unveiled bipartisan U.S. infrastructure proposal, the Congressional timetable and arithmetic look quite tight, leaving scope for temporary setbacks. At the same time, we expect that Democrats aim to introduce more spending later in the year, most likely during the Budget 2022 process via reconciliation. The financing could well include an increase the U.S. corporate tax rates toward 28%, resulting in a 7% hit to earnings and flat earnings per share in 2022, while the potential benefits would be spread over many years. Finally, we have moved to a neutral stance on emerging-market equities, having previously had a positive stance. Following their recent underperformance and the recent Chinese regulatory measures, a lot of damage has already been done. However, it is still too early to say that the worst is already behind us.

2.3 Alternatives

After a volatile month, oil prices ended July pretty much where they started. We expect continuing volatility, but with a slight upward drift reflecting the recovery in global demand and relatively disciplined supply. For base metals, we remain positive for similar reasons. We are neutral on gold, which has had a difficult year-to-date, despite rising concerns about inflation. More recently, fears about a slowdown in growth due to the spread of the Delta variant also failed to provide much of a boost. In the longer-term, however, we believe that gold remains a valuable hedge as part of a balanced portfolio. Strategically, we remain bullish on non-listed real-estate, partly due to the illiquidity premium such assets can offer. In times of high valuations and low interest rates, that is not to be sneezed at.

3 / Past performance of major financial assets

TOTAL RETURN OF MAJOR FINANCIAL ASSETS YEAR-TO-DATE AND PAST MONTH



■ Performance in July, in % ● Year-to-date performance 2021, in %

Past performance is not indicative of future returns.
Sources: Bloomberg Finance L.P. and DWS Investment GmbH as of 7/31/21

This information is subject to change at any time, based upon economic, market and other considerations and should not be construed as a recommendation. Past performance is not indicative of future returns. Forecasts are not a reliable indicator of future performance. Forecasts are based on assumptions, estimates, opinions and hypothetical models that may prove to be incorrect. Alternative investments may be speculative and involve significant risks including illiquidity, heightened potential for loss and lack of transparency. Alternatives are not suitable for all clients. Source: DWS Investment GmbH

4 / Tactical and strategic signals

THE FOLLOWING EXHIBIT DEPICTS OUR SHORT-TERM AND LONG-TERM POSITIONING

4.1 Fixed income

Rates	1 to 3 months	until June 2022	Spreads	1 to 3 months	until June 2022
U.S. Treasuries (2-year)	●	●	Spain (10-year) ¹	●	●
U.S. Treasuries (10-year)	●	●	Italy (10-year) ¹	●	●
U.S. Treasuries (30-year)	●	●	U.S. investment grade	●	●
German Bunds (2-year)	●	●	U.S. high yield	●	●
German Bunds (10-year)	●	●	Euro investment grade ¹	●	●
German Bunds (30-year)	●	●	Euro high yield ¹	●	●
UK Gilts (10-year)	●	●	Asia credit	●	●
Japanese government bonds (2-year)	●	●	Emerging-market credit	●	●
Japanese government bonds (10-year)	●	●	Emerging-market sovereigns	●	●

Secritized / specialities	1 to 3 months	until June 2022	Currencies	1 to 3 months	until June 2022
Covered bonds ¹	●	●	EUR vs. USD	●	●
U.S. municipal bonds	●	●	USD vs. JPY	●	●
U.S. mortgage-backed securities	●	●	EUR vs. JPY	●	●
			EUR vs. GBP	●	●
			GBP vs. USD	●	●
			USD vs. CNY	●	●

4.2 Equities

Regions	1 to 3 months ²	until June 2022	Sectors	1 to 3 months ²
United States ³	●	●	Consumer staples ¹²	●
Europe ⁴	●	●	Healthcare ¹³	●
Eurozone ⁵	●	●	Communication services ¹⁴	●
Germany ⁶	●	●	Utilities ¹⁵	●
Switzerland ⁷	●	●	Consumer discretionary ¹⁶	●
United Kingdom (UK) ⁸	●	●	Energy ¹⁷	●
Emerging markets ⁹	●	●	Financials ¹⁸	●
Asia ex Japan ¹⁰	●	●	Industrials ¹⁹	●
Japan ¹¹	●	●	Information technology ²⁰	●
			Materials ²¹	●
			Real estate ²²	●

Style	1 to 3 months
U.S. small caps ²³	●
European small caps ²⁴	●

This information is subject to change at any time, based upon economic, market and other considerations and should not be construed as a recommendation. Past performance is not indicative of future returns. Forecasts are not a reliable indicator of future performance. Forecasts are based on assumptions, estimates, opinions and hypothetical models that may prove to be incorrect. Alternative investments may be speculative and involve significant risks including illiquidity, heightened potential for loss and lack of transparency. Alternatives are not suitable for all clients. Source: DWS Investment GmbH

4.3 Alternatives

Alternatives	1 to 3 months	until June 2022
Commodities ²⁵	●	●
Oil (WTI)	●	●
Gold	●	●
Infrastructure	●	●
Real estate (listed)	●	●
Real estate (non-listed) APAC ²⁶		●
Real estate (non-listed) Europe ²⁶		●
Real estate (non-listed) United States ²⁶		●

¹ Spread over German Bunds, ² Relative to the MSCI AC World Index (only for the tactical signals), ³ S&P 500, ⁴ Stoxx Europe 600, ⁵ Euro Stoxx 50, ⁶ Dax, ⁷ Swiss Market Index, ⁸ FTSE 100, ⁹ MSCI Emerging Markets Index, ¹⁰ MSCI AC Asia ex Japan Index, ¹¹ MSCI Japan Index, ¹² MSCI AC World Consumer Staples Index, ¹³ MSCI AC World Health Care Index, ¹⁴ MSCI AC World Communication Services Index, ¹⁵ MSCI AC World Utilities Index, ¹⁶ MSCI AC World Consumer Discretionary Index, ¹⁷ MSCI AC World Energy Index, ¹⁸ MSCI AC World Financials Index, ¹⁹ MSCI AC World Industrials Index, ²⁰ MSCI AC World Information Technology Index, ²¹ MSCI AC World Materials Index, ²² MSCI AC World Real Estate Index, ²³ Russell 2000 Index relative to the S&P 500, ²⁴ Stoxx Europe Small 200 relative to the Stoxx Europe 600, ²⁵ Relative to the Bloomberg Commodity Index, ²⁶ Long-term investments

4.4 Legend

TACTICAL VIEW (1 TO 3 MONTHS)

— The focus of our tactical view for fixed income is on trends in bond prices.

- ● Positive view
- ● Neutral view
- ● Negative view

STRATEGIC VIEW UNTIL JUNE 2022

— The focus of our strategic view for sovereign bonds is on bond prices.

— For corporates, securitized/specialties and emerging-market bonds in U.S. dollars, the signals depict the option-adjusted spread over U.S. Treasuries. For bonds denominated in euros, the illustration depicts the spread in comparison with German Bunds. Both spread and sovereign-bond-yield trends influence the bond value. For investors seeking to profit only from spread trends, a hedge against changing interest rates may be a consideration.

— The colors illustrate the return opportunities for long-only investors.

- ● Positive return potential for long-only investors
- ● Limited return opportunity as well as downside risk
- ● Negative return potential for long-only investors

GLOSSARY

One **basis point** equals 1/100 of a percentage point.

The **Bloomberg Commodity Index (BCOM)** traces 23 commodities and reflects commodity futures price movements.

A **bull market** is a financial market where prices are rising - usually used in the context of equities markets.

Bunds is a commonly used term for bonds issued by the German federal government with a maturity of 10 years.

A **central bank** manages a state's currency, money supply and interest rates.

The **Dax** is a blue-chip stock-market index consisting of the 30 major German companies trading on the Frankfurt Stock Exchange.

This information is subject to change at any time, based upon economic, market and other considerations and should not be construed as a recommendation. Past performance is not indicative of future returns. Forecasts are not a reliable indicator of future performance. Forecasts are based on assumptions, estimates, opinions and hypothetical models that may prove to be incorrect. Alternative investments may be speculative and involve significant risks including illiquidity, heightened potential for loss and lack of transparency. Alternatives are not suitable for all clients. Source: DWS Investment GmbH

A **developed market (DM)** is a country fully developed in terms of its economy and capital markets.

Earnings per share (EPS) is calculated as a company's net income minus dividends of preferred stock, all divided by the total number of shares outstanding.

The **Euro Stoxx 50** is an index that tracks the performance of blue-chip stocks in the Eurozone.

The **European Central Bank (ECB)** is the central bank for the Eurozone.

The **FTSE 100** is an index that tracks the performance of the 100 major companies trading on the London Stock Exchange.

Government (sovereign) debts/bonds are debt/bonds issued and owed by a central government

Government-bond curve is the curve showing the yields of several maturities for government bonds.

The **gross domestic product (GDP)** is the monetary value of all the finished goods and services produced within a country's borders in a specific time period.

A **hedge** is an investment to reduce the risk of adverse price movements in an asset.

High-yield bonds are issued by below-investment-grade-rated issuers and usually offer a relatively high yield.

Inflation is the rate at which the general level of prices for goods and services is rising and, subsequently, purchasing power is falling.

Investment grade (IG) refers to a credit rating from a rating agency that indicates that a bond has a relatively low risk of default.

The **MSCI AC World Communication Services Index** captures large- and mid-cap securities across 23 developed- and 26 emerging-markets classified in the Communications Services sector.

The **MSCI AC World Consumer Discretionary Index** captures large- and mid-cap securities across 23 developed- and 26 emerging-markets classified in the Consumer Discretionary sector.

The **MSCI AC World Consumer Staples Index** captures large- and mid-cap securities across 23 developed- and 26 emerging-markets classified in the Consumer Staples sector.

The **MSCI AC World Energy Index** captures large- and mid-cap securities across 23 developed-markets classified in the Energy sector.

The **MSCI AC World Financials Index** captures large- and mid-cap securities across 23 developed- and 26 emerging-markets classified in the Financials sector.

The **MSCI AC World Health Care Index** captures large- and mid-cap securities across 23 developed- and 26 emerging-markets classified in the Health Care sector.

The **MSCI AC World Index** captures large- and mid-cap companies across 23 developed- and 24 emerging-market countries.

The **MSCI AC World Industrials Index** captures large- and mid-cap securities across 23 developed- and 26 emerging-markets classified in the Industrials sector.

The **MSCI AC World Information Technology Index** captures large- and mid-cap securities across 23 developed- and 26 emerging-markets classified in the Information Technology sector.

The **MSCI AC World Materials Index** captures large- and mid-cap securities across 23 developed- and 26 emerging-markets classified in the Materials sector.

The **MSCI AC World Real Estate Index** captures large- and mid-cap securities across 23 developed- and 26 emerging-markets classified in the Real Estate sector.

The **MSCI AC World Utilities Index** captures large- and mid-cap securities across 23 developed- and 26 emerging-markets classified in the Utilities sector.

The **MSCI AC Asia ex Japan Index** captures large- and mid-cap representation across 2 of 3 developed-market countries (excluding Japan) and 8 emerging-market countries in Asia.

The **MSCI Emerging Markets Index** captures large- and mid-cap representation across 23 emerging-market countries.

The **MSCI Japan Index** is designed to measure the performance of the large- and mid-cap segments of the Japanese market.

Periphery countries are less developed than the core countries of a specific region. In the Eurozone, the euro periphery consists of the economically weaker countries such as Greece, Portugal, Italy, Spain and Ireland.

The **Russell 2000 Index** is an index that captures the 2,000 smallest stocks of the Russell-3000 index, which again comprises 3,000 small- and mid-cap U.S. listed stocks.

The **S&P 500** is an index that includes 500 leading U.S. companies capturing approximately 80% coverage of available U.S. market capitalization.

The **spread** is the difference between the quoted rates of return on two different investments, usually of different credit quality.

The **Stoxx Europe 600** is an index representing the performance of 600 listed companies across 18 European countries.

The **Stoxx Europe Small 200** is an index representing the performance of 200 small capitalization companies across 17 European countries.

The **Swiss Market Index (SMI)** is Switzerland's most important equity index, consisting of the 20 largest and most liquid large- and mid-cap stocks.

Treasuries are fixed-interest U.S. government debt securities with different maturities: Treasury bills (1 year maximum), Treasury notes (2 to 10 years), Treasury bonds (20 to 30 years) and Treasury Inflation Protected Securities (TIPS) (5, 10 and 30 years).

The **U.S. Federal Reserve**, often referred to as "**the Fed**," is the central bank of the United States.

Valuation attempts to quantify the attractiveness of an asset, for example through looking at a firm's stock price in relation to its earnings.

Volatility is the degree of variation of a trading-price series over time. It can be used as a measure of an asset's risk.

IMPORTANT INFORMATION – EMEA, APAC & LATAM

This marketing communication is intended for retail clients only.

DWS is the brand name of DWS Group GmbH & Co. KGaA and its subsidiaries under which they operate their business activities. The respective legal entities offering products or services under the DWS brand are specified in the respective contracts, sales materials and other product information documents. DWS, through DWS Group GmbH & Co. KGaA, its affiliated companies and its officers and employees (collectively "DWS") are communicating this document in good faith and on the following basis.

This document has been prepared without consideration of the investment needs, objectives or financial circumstances of any investor. Before making an investment decision, investors need to consider, with or without the assistance of an investment adviser, whether the investments and strategies described or provided by DWS Group, are appropriate, in light of their particular investment needs, objectives and financial circumstances. Furthermore, this document is for information/discussion purposes only and does not constitute an offer, recommendation or solicitation to conclude a transaction and should not be treated as giving investment advice.

The document was not produced, reviewed or edited by any research department within DWS and is not investment research. Therefore, laws and regulations relating to investment research do not apply to it. Any opinions expressed herein may differ from the opinions expressed by other legal entities of DWS or their departments including research departments.

The information contained in this document does not constitute a financial analysis but qualifies as marketing communication. This marketing communication is neither subject to all legal provisions ensuring the impartiality of financial analysis nor to any prohibition on trading prior to the publication of financial analyses.

This document contains forward looking statements. Forward looking statements include, but are not limited to assumptions, estimates, projections, opinions, models and hypothetical performance analysis. The forward looking statements expressed constitute the author's judgment as of the date of this document. Forward looking statements involve significant elements of subjective judgments and analyses and changes thereto and/or consideration of different or additional factors could have a material impact on the results indicated. Therefore, actual results may vary, perhaps materially, from the results contained herein. No representation or warranty is made by DWS as to the reasonableness or completeness of such forward looking statements or to any other financial information contained in this document. Past performance is not guarantee of future results.

We have gathered the information contained in this document from sources we believe to be reliable; but we do not guarantee the accuracy, completeness or fairness of such information. All third party data are copyrighted by and proprietary to the provider. DWS has no obligation to update, modify or amend this document or to otherwise notify the recipient in the event that any matter stated herein, or any opinion, projection, forecast or estimate set forth herein, changes or subsequently becomes inaccurate.

Investments are subject to various risks, including market fluctuations, regulatory change, possible delays in repayment and loss of income and principal invested. The value of investments can fall as well as rise and you might not get back the amount originally invested at any point in time. Furthermore, substantial fluctuations of the value of any investment are possible even over short periods of time. The terms of any investment will be exclusively subject to the detailed provisions, including risk considerations, contained in the offering documents. When making an investment decision, you should rely on the final documentation relating to any transaction.

No liability for any error or omission is accepted by DWS. Opinions and estimates may be changed without notice and involve a number of assumptions which may not prove valid. DWS or persons associated with it may (i) maintain a long or short position in securities referred to herein, or in related futures or options, and (ii) purchase or sell, make a market in, or engage in any other transaction involving such securities, and earn brokerage or other compensation.

DWS does not give taxation or legal advice. Prospective investors should seek advice from their own taxation agents and lawyers regarding the tax consequences on the purchase, ownership, disposal, redemption or transfer of the investments and strategies suggested by DWS. The relevant tax laws or regulations of the tax authorities may change at any time. DWS is not responsible for and has no obligation with respect to any tax implications on the investment suggested.

This document may not be reproduced or circulated without DWS written authority. The manner of circulation and distribution of this document may be restricted by law or regulation in certain countries, including the United States.

This document is not directed to, or intended for distribution to or use by, any person or entity who is a citizen or resident of or located in any locality, state, country or other jurisdiction, including the United States, where such distribution, publication, availability or use would be contrary to law or regulation or which would subject DWS to any registration or licensing requirement within such jurisdiction not currently met within such jurisdiction. Persons into whose possession this document may come are required to inform themselves of, and to observe, such restrictions.

For institutional / professional investors in Taiwan

This document is distributed to professional investors only and not others. Investing involves risk. The value of an investment and the income from it will fluctuate and investors may not get back the principal invested. Past performance is not indicative of future performance. This is a marketing communication. It is for informational purposes only. This document does not constitute investment advice or a recommendation to buy, sell or hold any security and shall not be deemed an offer to sell or a solicitation of an offer to buy any security. The views and opinions expressed herein, which are subject to change without notice, are those of the issuer or its affiliated companies at the time of publication. Certain data used are derived from various sources believed to be reliable, but the accuracy or completeness of the data is not guaranteed and no liability is assumed for any direct or consequential losses arising from their use. The duplication, publication, extraction or transmission of the contents, irrespective of the form, is not permitted.

© 2021 DWS Investment GmbH

Issued in the UK by DWS Investments UK Limited which is authorised and regulated by the Financial Conduct Authority (Reference number 429806).

© 2021 DWS Investments UK Limited

In Hong Kong, this document is issued by DWS Investments Hong Kong Limited and the content of this document has not been reviewed by the Securities and Futures Commission.

© 2021 DWS Investments Hong Kong Limited

In Singapore, this document is issued by DWS Investments Singapore Limited and the content of this document has not been reviewed by the Monetary Authority of Singapore.

© 2021 DWS Investments Singapore Limited

In Australia, this document is issued by DWS Investments Australia Limited (ABN: 52 074 599 401) (AFSL 499640) and the content of this document has not been reviewed by the Australian Securities Investment Commission.

© 2021 DWS Investments Australia Limited

as of 8/2/21; 082325_5 (08/2021)

IMPORTANT INFORMATION – NORTH AMERICA

The brand DWS represents DWS Group GmbH & Co. KGaA and any of its subsidiaries, such as DWS Distributors, Inc., which offers investment products, or DWS Investment Management Americas Inc. and RREEF America L.L.C., which offer advisory services.

This document has been prepared without consideration of the investment needs, objectives or financial circumstances of any investor. Before making an investment decision, investors need to consider, with or without the assistance of an investment adviser, whether the investments and strategies described or provided by DWS, are appropriate, in light of their particular investment needs, objectives and financial circumstances. Furthermore, this document is for information/discussion purposes only and does not and is not intended to constitute an offer, recommendation or solicitation to conclude a transaction or the basis for any contract to purchase or sell any security, or other instrument, or for DWS to enter into or arrange any type of transaction as a consequence of any information contained herein and should not be treated as giving investment advice. DWS, including its subsidiaries and affiliates, does not provide legal, tax or accounting advice. This communication was prepared solely in connection with the promotion or marketing, to the extent permitted by applicable law, of the transaction or matter addressed herein, and was not intended or written to be used, and cannot be relied upon, by any taxpayer for the purposes of avoiding any U.S. federal tax penalties. The recipient of this communication should seek advice from an independent tax advisor regarding any tax matters addressed herein based on its particular circumstances. Investments with DWS are not guaranteed, unless specified. Although information in this document has been obtained from sources believed to be reliable, we do not guarantee its accuracy, completeness or fairness, and it should not be relied upon as such. All opinions and estimates herein, including forecast returns, reflect our judgment on the date of this report, are subject to change without notice and involve a number of assumptions which may not prove valid.

Investments are subject to various risks, including market fluctuations, regulatory change, counterparty risk, possible delays in repayment and loss of income and principal invested. The value of investments can fall as well as rise and you may not recover the amount originally invested at any point in time. Furthermore, substantial fluctuations of the value of the investment are possible even over short periods of time. Further, investment in international markets can be affected by a host of factors, including political or social conditions, diplomatic relations, limitations or removal of funds or assets or imposition of (or change in) exchange control or tax regulations in such markets. Additionally, investments denominated in an alternative currency will be subject to currency risk, changes in exchange rates which may have an adverse effect on the value, price or income of the investment. This document does not identify all the risks (direct and indirect) or other considerations which might be material to you when entering into a transaction. The terms of an investment may be exclusively subject to the detailed provisions, including risk considerations, contained in the Offering Documents. When making an investment decision, you should rely on the final documentation relating to the investment and not the summary contained in this document.

This publication contains forward looking statements. Forward looking statements include, but are not limited to assumptions, estimates, projections, opinions, models and hypothetical performance analysis. The forward looking statements expressed constitute the author's judgment as of the date of this material. Forward looking statements involve significant elements of subjective judgments and analyses and changes thereto and/or consideration of different or additional factors could have a material impact on the results indicated. Therefore, actual results may vary, perhaps materially, from the results contained herein. No representation or warranty is made by DWS as to the reasonableness or completeness of such forward looking statements or to any other financial information contained herein. We assume no responsibility to advise the recipients of this document with regard to changes in our views.

No assurance can be given that any investment described herein would yield favorable investment results or that the investment objectives will be achieved. Any securities or financial instruments presented herein are not insured by the Federal Deposit Insurance Corporation ("FDIC") unless specifically noted, and are not guaranteed by or obligations of DWS or its affiliates. We or our affiliates or persons associated with us may act upon or use material in this report prior to publication. DB may engage in transactions in a manner inconsistent with the views discussed herein. Opinions expressed herein may differ from the opinions expressed by departments or other divisions or affiliates of DWS. This document may not be reproduced or circulated without our written authority. The manner of circulation and distribution of this document may be restricted by law or regulation in certain countries. This document is not directed to, or intended for distribution to or use by, any person or entity who is a citizen or resident of or located in any locality, state, country or other jurisdiction, including the United States, where such distribution, publication, availability or use would be contrary to law or regulation or which would subject DWS to any registration or licensing requirement within such jurisdiction not currently met within such jurisdiction. Persons into whose possession this document may come are required to inform themselves of, and to observe, such restrictions.

Past performance is no guarantee of future results; nothing contained herein shall constitute any representation or warranty as to future performance. Further information is available upon investor's request. All third party data (such as MSCI, S&P & Bloomberg) are copyrighted by and proprietary to the provider.

For investors in Bermuda: This is not an offering of securities or interests in any product. Such securities may be offered or sold in Bermuda only in compliance with the provisions of the Investment Business Act of 2003 of Bermuda which regulates the sale of securities in Bermuda. Additionally, non-Bermudian persons (including companies) may not carry on or engage in any trade or business in Bermuda unless such persons are permitted to do so under applicable Bermuda legislation.

© 2021 DWS Investment GmbH, Mainzer Landstraße 11-17, 60329 Frankfurt am Main, Germany.

All rights reserved.

as of 8/2/21; 082326_5 (08/2021)