

## OUR MONTHLY MARKET ANALYSIS AND POSITIONING

June was dominated by surprisingly dovish central banks, which lifted some equity markets to new highs and pushed some bond yields to new lows. But the joy is not untroubled.

### MARKET OVERVIEW

Where is the good summer mood? It is not around this year. Are people just too hot in the record high temperatures? Or perhaps it is record highs of another kind that are troubling investors – because, after the central banks' quite exceptional global-market-warming performance in June, the markets look way too hot. This market climate change has produced things that do not look normal. There is an unusually large gap, for example, between market prices and the positioning and sentiment of professional investors. And trading volumes on the stock markets, too, are dull and not at all record-high euphoric. One reason could be the constant concern about trade disputes, combined with the vague suspicion that even the much anticipated G20 summit might not bring any clarity. And that is indeed what has happened. Yes, President Donald Trump and President Xi Jinping have spoken to each other and the threatened new tariffs on U.S. imports of \$300 billion in goods have been postponed for the time being. In addition, U.S. companies were given permission to continue supplying certain equipment to the Chinese telecommunications company, Huawei. From a market perspective, this may have been the only real positive surprise. But that was it. The trade dispute and even more the struggle for technological supremacy will probably keep both markets and companies worried for even longer. What makes it worse is that since this year they must assume that new punitive tariffs or sanctions against individual companies may be reintroduced at any time, making planning of their value chains extremely difficult. This might be one explanation for the surprisingly accommodating tunes coming from the U.S. Federal Reserve (Fed) and the European Central Bank (ECB) in June. The announcement that they would be ready to cut interest rates, ending the short period of monetary tightening, has been a

dominant theme in markets. The actual motives of the central banks have also been much debated. Has the Fed been driven by markets that have been pricing in several interest-rate cuts for some time? Or by the U.S. President, who sometimes assists the Fed – usually with advice that includes the words "rate cuts?"<sup>1</sup> Or the growing reluctance of companies and consumers to invest as a result of the trade dispute? Or did the central bankers simply react to low inflation figures? That would seem surprising, however, because they would have to look ahead – i.e. at inflation expectations – since current core inflation figures continue to show little upward or downward momentum. In our view, the hard economic data does not provide a sufficient basis for an interest-rate cut. But both the ECB and the Fed have pre-committed to such an extent that it makes it difficult to back down. The Fed might even take the first rate-cut step in July.

On the basis of this new – "lower for longer" – interest-rate environment, the leading equity indices in the United States, Australia and Switzerland set some new records. There were also noteworthy developments on the bond markets. Yields on 10-year U.S. Treasuries fell below the 2% mark for the first time since December 2016, while German-bund yields slipped to a never before reached -0.35%. You have to hold government bonds of almost 20-year duration in Germany in order to be rewarded with a positive yield. The regained "dovishness" of the central banks also meant that bonds with a volume of over \$13 trillion now yield negatively worldwide, breaking the old record of June 2016. Among the biggest winners of the bond rally were higher yielding securities such as government bonds from Italy or emerging markets, as well as high-yield bonds from the United States or the Eurozone. Among the winners in equities were the more cyclical sectors, such as materials, information technology and discretionary consumption. But the "risk-on" euphoria did not appear to please everyone.

<sup>1</sup> Donald Trump on Twitter, June 24: "Despite a Federal Reserve that doesn't know what it is doing - raised rates far too fast (very low inflation, other parts of world slowing, lowering & easing) & did large scale tightening, \$50 Billion/month, we are on course to have one of the best Months of June in US history... Think of what it could have been if the Fed had gotten it right. Thousands of points higher on the Dow, and GDP in the 4's or even 5's. Now they stick, like a stubborn child, when we need rates cuts, & easing, to make up for what other countries are doing against us. Blew it!" All opinions and claims are based upon data on 7/1/2019 and may not come to pass. 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 based on assumptions, estimates, opinions and hypothetical models that may prove to be incorrect. Investments come with risk. The value of an investment can fall as well as rise and your capital may be at risk. You might not get back the amount originally invested at any point in time. Source: DWS Investment GmbH

Gold rallied and surpassed the \$1,400 mark for the first time in six years ([DWS Chart of the Week as of 6/26/19](#)). The supposed alternative safe haven, crypto currencies, performed much more strongly. This investment pattern looks rather like a barbell strategy: taking the central-bank gift by indulging in riskier investments and simultaneously getting protection in the form of gold or long-term government bonds from the dangers the central-banks cite.

## OUTLOOK AND CHANGES

The speed with which the Fed and the ECB have switched from tightening to easing mode has surprised us. We therefore decided to revise some of our 12-month forecasts ([DWS CIO Flash as of 6/24/19](#)) at an extraordinary strategy meeting. We now expect the Fed to make two rate cuts of 25 basis points (bps) each. We expect the ECB to reduce deposit rates by 10bps and to introduce a tiering system for excess reserves. For U.S. Treasury yields, this means a reduction of 30bps for 2, 10 and 30-year maturities to 1.7, 2.0 and 2.5% respectively. For Bund yields, we have reduced the corresponding maturities to -0.7, -0.1 and 0.4% respectively. We leave the spread forecasts for U.S. corporate bonds unchanged, while we now expect a lower spread for euro corporate bonds and bonds from peripheral countries, as the ECB could be ready to make new purchases again. We have not changed any of our equity-market forecasts, as we do not expect the stimulus from possible interest-rate cuts to more than compensate for the higher risks.

The ambivalent events of June have also left their mark on our tactical recommendations. The markets have had a strong run and disappointment could easily follow: if, for example, the Fed indicates at some point that it considers the four interest-rate cuts – already expected by the market by mid-2020 – to be exaggerated. Investors realizing that the G20 meeting has not resulted in much higher visibility could also gnaw away the fresh record levels of the S&P 500. Earnings revisions might be needed in the upcoming quarterly reporting season, if the already announced U.S. punitive tariffs against China are maintained. We therefore enter summer cautiously, but without any changes to our regional and sectoral preferences. Even if we doubt the stimulative effect of the announced more expansionary monetary policy on the real economies, it is likely to have a longer impact on the bond markets. We have tactically upgraded U.S. investment-grade corporate bonds, emerging-market government and corporate bonds and euro high-yield

bonds to positive. On the euro-dollar, however, we have returned to neutral. Although the factors in favor of the euro are increasing here, we continue to expect sideways movement for the time being. It is also worth mentioning that the U.S. yield curve is becoming steeper again and that, in particular, the much-noticed difference between 2 and 10-year Treasury yields is slowly moving away from the zero line.

All in all, we do not believe that the central banks have done themselves a big favor by over-hastily committing themselves to more loosening. They look as though the market have driven them to it – and that they are no longer driving. But we cannot ignore the grateful reaction of the markets, even if it increases the potential for disappointment. A month before the U.S. experiences its longest economic recovery in history, our overall picture remains cautiously optimistic.

## THE MULTI-ASSET PERSPECTIVE

Even though we believe the market may find reasons in the coming months to climb to new short-term highs, we are sticking to our lower risk appetite for now – for the reasons already mentioned above and in particular the trade conflicts. We are waiting for markets to suffer a setback before increasing our risk exposure again. But any setbacks are being deterred by central banks who are, for now at least, providing clear support to the market with their renewed inclination to be accommodative.

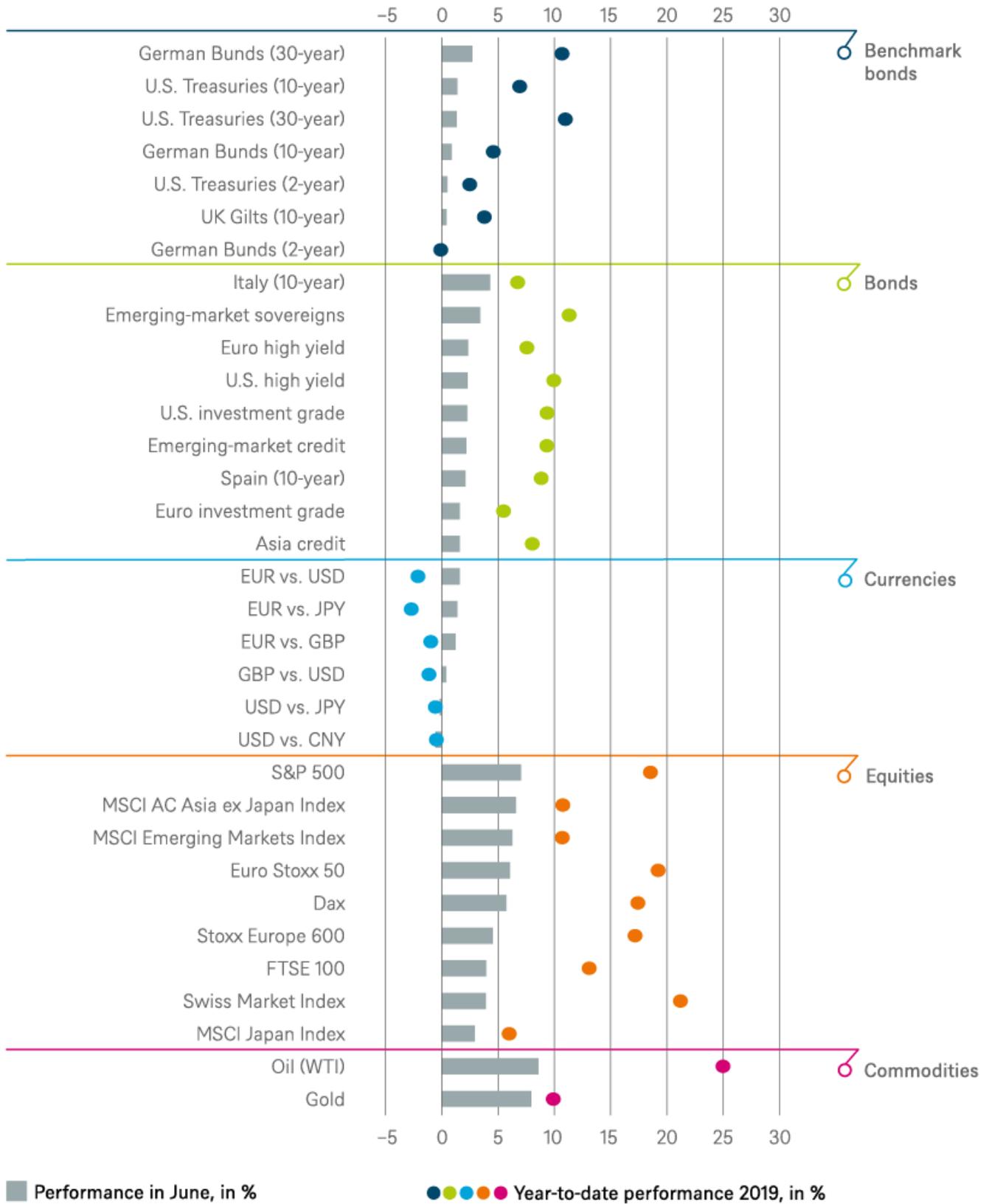
**Equities:** Although we expect little price potential strategically, equities should be supported by the new low-interest environment. We are waiting for better entry opportunities. We also do not expect any clear impetus from the start of the U.S. quarterly reporting season. Emerging markets remain a favorite.

**Bonds:** In our view, the market is pricing in Fed-interest-rate cuts too aggressively. This could well lead to disappointment at the end-July Fed meeting, if, for example, the Fed cuts once but dampens hopes for further rate cuts. In general, we believe longer-dated bonds have become more attractive due to the prolongation of the low-interest environment, above all for diversification reasons. We prefer U.S. government bonds to those of core Europe. We currently see the EUR/USD currency pair as torn between short- and long-term forces and from a European perspective reduce the dollar weighting in favor of the euro. We see the Japanese yen as a good risk diversifier, like gold.

All opinions and claims are based upon data on 7/1/2019 and may not come to pass. 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 based on assumptions, estimates, opinions and hypothetical models that may prove to be incorrect. Investments come with risk. The value of an investment can fall as well as rise and your capital may be at risk. You might not get back the amount originally invested at any point in time. Source: DWS Investment GmbH

## PAST PERFORMANCE OF MAJOR FINANCIAL ASSETS

Total return of major financial assets year-to-date and past month



Sources: Bloomberg Finance L.P., DWS Investment GmbH as of 6/30/19

All opinions and claims are based upon data on 7/1/2019 and may not come to pass. This information is subject to change at any time, based upon economic, market and other considerations and should not be construed as a recommendation. 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. Past performance is not indicative of future returns. Forecasts are based on assumptions, estimates, opinions and hypothetical models that may prove to be incorrect. Investments come with risk. The value of an investment can fall as well as rise and your capital may be at risk. You might not get back the amount originally invested at any point in time. Source: DWS Investment GmbH

## FIXED INCOME

Government bonds	1 to 3 months	until June 2020
U.S. Treasuries (2-year)	●	●
U.S. Treasuries (10-year)	●	●
U.S. Treasuries (30-year)	●	●
UK Gilts (10-year)	●	●
Italy (10-year) <sup>1</sup>	●	●
Spain (10-year) <sup>1</sup>	●	●
German Bunds (2-year)	●	●
German Bunds (10-year)	●	●
German Bunds (30-year)	●	●
Japan (2-year)	●	●
Japan (10-year)	●	●
Emerging-market sovereigns	●	●
<b>Securitized / specialties</b>		
Covered bonds <sup>1</sup>	●	●
U.S. municipal bonds	●	●
U.S. mortgage-backed securities	●	●

## EQUITIES

Regions	1 to 3 months*	until June 2020
United States	●	●
Europe	●	●
Eurozone	●	●
Germany	●	●
Switzerland	●	●
United Kingdom (UK)	●	●
Emerging markets	●	●
Asia ex Japan	●	●
Japan	●	●

Corporates	1 to 3 months	until June 2020
U.S. investment grade	●	●
U.S. high yield	●	●
Euro investment grade <sup>1</sup>	●	●
Euro high yield <sup>1</sup>	●	●
Asia credit	●	●
Emerging-market credit	●	●
<b>Currencies</b>		
EUR vs. USD	●	●
USD vs. JPY	●	●
EUR vs. JPY	●	●
EUR vs. GBP	●	●
GBP vs. USD	●	●
USD vs. CNY	●	●

Sectors	1 to 3 months*
Consumer staples	●
Healthcare	●
Communication services	●
Utilities	●
Consumer discretionary	●
Energy	●
Financials	●
Industrials	●
Information technology	●
Materials	●
Real estate	●
<b>Style</b>	
U.S. small caps**	●
European small caps***	●

\* Relative to the MSCI AC World Index

\*\* Relative to the S&amp;P 500

\*\*\* Relative to the Stoxx Europe 600

<sup>1</sup> Spread over German Bunds in basis points

All opinions and claims are based upon data on 7/1/2019 and may not come to pass. This information is subject to change at any time, based upon economic, market and other considerations and should not be construed as a recommendation. 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. Past performance is not indicative of future returns. Forecasts are based on assumptions, estimates, opinions and hypothetical models that may prove to be incorrect. Investments come with risk. The value of an investment can fall as well as rise and your capital may be at risk. You might not get back the amount originally invested at any point in time. Source: DWS Investment GmbH

## ALTERNATIVES

Alternatives	1 to 3 months	until June 2020
Infrastructure (listed)		
Commodities		
Real estate (listed)		
Real estate (non-listed) APAC		
Real estate (non-listed) Europe		
Real estate (non-listed) United States		

## 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 2020

- \_ 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

## APPENDIX: PERFORMANCE OVER THE PAST 5 YEARS (12-MONTH PERIODS)

	06/14 - 06/15	06/15 - 06/16	06/16 - 06/17	06/17 - 06/18	06/18 - 06/19
UST 30yr	6.3%	19.8%	-7.4%	-0.1%	12.3%
UST 10yr	3.5%	9.4%	-4.0%	-1.8%	10.1%
UST 2yr	0.9%	1.4%	-0.1%	0.0%	4.0%
UK 10yr	7.0%	11.5%	-0.6%	0.7%	5.7%
GER 10yr	4.7%	8.4%	-3.5%	2.6%	5.7%
GER 2yr	0.3%	0.4%	-0.8%	-0.3%	-0.3%
GER 30yr	11.2%	21.4%	-10.8%	5.3%	13.3%
Japan 2yr	0.3%	0.5%	-0.5%	0.0%	0.0%
Japan 10yr	1.8%	6.0%	-2.4%	0.7%	2.0%
EM Sovereign	0.5%	9.8%	6.0%	-1.6%	12.4%
EM Credit	1.2%	5.8%	7.0%	-0.4%	11.1%
US HY	-0.4%	1.6%	12.7%	2.6%	7.5%
US IG Corp	0.9%	7.6%	1.8%	-0.6%	10.3%
EUR HY	2.8%	2.2%	9.8%	0.8%	5.2%
Asia Credit	4.4%	7.4%	3.1%	-0.7%	10.0%
EUR IG Corp	1.6%	5.0%	1.2%	1.1%	4.8%
Spain 10yr	4.5%	12.2%	0.0%	3.7%	9.4%
Italy 10yr	4.6%	11.3%	-3.5%	-1.4%	8.8%
MSCI Asia xJ	1.3%	-14.2%	24.2%	7.5%	-2.9%
MSCI EM	-7.5%	-14.2%	21.2%	5.8%	-1.4%
S&P 500	5.2%	1.7%	15.5%	12.2%	8.2%
MSCI Japan	28.7%	-25.0%	28.1%	6.9%	-8.7%
SMI	2.6%	-8.7%	11.1%	-3.3%	15.0%
DAX	11.3%	-11.6%	27.3%	-0.2%	0.8%
FTSE 100	-3.3%	-0.3%	12.4%	4.4%	-2.8%
Stoxx600	11.5%	-13.5%	15.0%	0.1%	1.3%
Eurostoxx 50	6.1%	-16.3%	20.1%	-1.3%	2.3%
MSCI Australia Index	4.4%	-8.3%	7.4%	4.1%	6.5%

Past performance is not indicative of future returns.

Sources: Bloomberg Finance L.P., DWS Investment GmbH as of 7/1/19

All opinions and claims are based upon data on 7/1/2019 and may not come to pass. 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 based on assumptions, estimates, opinions and hypothetical models that may prove to be incorrect. Investments come with risk. The value of an investment can fall as well as rise and your capital may be at risk. You might not get back the amount originally invested at any point in time. Source: DWS Investment GmbH

## GLOSSARY

### Accommodative

The aim of an **accommodative** monetary policy is to support the economy by means of monetary expansion.

### Basis point

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

### Bunds

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

### Central bank

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

### Chinese yuan (CNY)

The **Chinese yuan (CNY)** is legal tender on the Chinese mainland and the unit of account of the currency, Renminbi (RMB).

### Corporate bond

A **corporate bond** is a bond issued by a corporation in order to finance their business.

### Cryptocurrency

**Cryptocurrencies** are a new generation of digital currencies and payment systems that rely on cryptotechnology and distributed data management. They are privately organised and not bound to oversight by central banks or other official institutions. The pioneer and still most traded cryptocurrency is the bitcoin.

### Dax

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

### Deposit rate

The **deposit rate** is the rate banks receive when they make overnight deposits with the ECB.

### Diversification

**Diversification** refers to the dispersal of investments across asset types, geographies and so on with the aim of reducing risk or boosting risk-adjusted returns.

### Dove

**Doves** are in favor of an expansive monetary policy.

### Duration

**Duration** is a measure expressed in years that adds and weights the time periods in which a bond returns cash to its holder. It is used to calculate a bond's sensitivity towards interest-rate changes.

### Emerging markets (EM)

**Emerging markets (EM)** are economies not yet fully developed in terms of, amongst others, market efficiency and liquidity.

### Euro (EUR)

The **euro (EUR)** is the common currency of states participating in the Economic and Monetary Union and is the second most held reserve currency in the world after the dollar.

### Euro Stoxx 50

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

### European Central Bank (ECB)

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

### Eurozone

The **Eurozone** is formed of 19 European Union member states that have adopted the euro as their common currency and sole legal tender.

### Excess reserves

**Excess reserves** are the capital reserves held by a bank or financial institution in excess of what is required by regulators.

### FTSE 100

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

### G20

The **Group of 20** are the largest industrialized and emerging economies in the world.

### Gilts

**Gilts** are bonds that are issued by the British Government.

### Government (sovereign) debt/bonds

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

### High Yield (HY)

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

### Inflation

**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)

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

### Japanese yen (JPY)

The **Japanese yen (JPY)** is the official currency of Japan.

### JGB

**Japanese Government Bond (JGB)** is issued by the government of Japan.

### Monetary-policy tightening cycle

A **monetary-policy tightening cycle** is a period of time during which a central bank raises interest rates with the aim of slowing GDP growth or inflation.

### MSCI Asia ex Japan Index

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.

### MSCI Emerging Markets Index

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

### MSCI Japan Index

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

### Pound sterling (GBP)

The **pound sterling (GBP)**, or simply the pound, is the official currency of the United Kingdom and its territories.

### Pro-cyclical sectors

**Pro-cyclical sectors** are those likely to particularly benefit from an upturn in the economic cycle (i.e. stronger growth).

### S&P 500

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

### Spread

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

All opinions and claims are based upon data on 7/1/2019 and may not come to pass. 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 based on assumptions, estimates, opinions and hypothetical models that may prove to be incorrect. Investments come with risk. The value of an investment can fall as well as rise and your capital may be at risk. You might not get back the amount originally invested at any point in time. Source: DWS Investment GmbH

## GLOSSARY

### Stoxx Europe 600

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

### Swiss Market Index (SMI)

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

**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).

### U.S. dollar (USD)

The **U.S. dollar (USD)** is the official currency of the United States and its overseas territories.

### U.S. Federal Reserve (Fed)

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

### West Texas Intermediate (WTI)

**West Texas Intermediate (WTI)** is a grade of crude oil used as a benchmark in oil pricing.

### Yield

**Yield** is the income return on an investment referring to the interest or dividends received from a security and is usually expressed annually as a percentage based on the investment's cost, its current market value or its face value.

### Yield curve

A **yield curve** shows the annualized yields of fixed-income securities across different contract periods as a curve. When it is inverted, bonds with longer maturities have lower yields than those with shorter maturities.

### IMPORTANT INFORMATION: EMEA

The following document is intended as marketing communication.

DWS is the brand name under which DWS Group GmbH & Co. KGaA and its subsidiaries operate their business activities. Clients will be provided DWS products or services by one or more legal entities that will be identified to clients pursuant to the contracts, agreements, offering materials or other documentation relevant to such products or services.

The information contained in this document does not constitute investment advice.

All statements of opinion reflect the current assessment of DWS Investment GmbH and are subject to change without notice.

Forecasts are not a reliable indicator of future performance. Forecasts are based on assumptions, estimates, opinions and hypothetical performance analysis, therefore actual results may vary, perhaps materially, from the results contained here.

Past performance, [actual or simulated], is not a reliable indication of future performance.

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 and the information contained herein may only be distributed and published in jurisdictions in which such distribution and publication is permissible in accordance with applicable law in those jurisdictions. Direct or indirect distribution of this document is prohibited in the USA as well as to or for the account of US persons and persons residing in the USA.

DWS Investment GmbH 2019

### IMPORTANT INFORMATION: UK

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

DWS is the brand name of DWS Group GmbH & Co. KGaA. 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 is a financial promotion and is for general information purposes only and consequently may not be complete or accurate for your specific purposes. It is not intended to be an offer or solicitation, advice or recommendation, 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. It has been prepared without consideration of the investment needs, objectives or financial circumstances of any investor.

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. 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 suitability and appropriate, in light of their particular investment needs, objectives and financial circumstances. We assume no responsibility to advise the recipients of this document with regard to changes in our views.

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 and it should not be relied on as such. 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.

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 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 NO GUARANTEE OF FUTURE RESULTS.

© DWS 2019

Publisher: DWS Investment GmbH, Mainzer Landstraße 11-17, 60329 Frankfurt am Main, Germany

## HONG KONG

The contents of this document have not been reviewed by any regulatory authority in Hong Kong. You are advised to exercise caution in relation to the investments contained herein. If you are in any doubt about any of the contents of this document, you should obtain independent professional advice. This document has not been approved by the Securities and Futures Commission in Hong Kong nor has a copy of this document been registered by the Registrar of Companies in Hong Kong and, accordingly, (a) the investments (except for investments which are a "structured product" as defined in the Securities and Futures Ordinance (Cap. 571 of the Laws of Hong Kong) (the "SFO")) may not be offered or sold in Hong Kong by means of this document or any other document other than to "professional investors" within the meaning of the SFO and any rules made thereunder, or in other circumstances which do not result in the document being a "prospectus" as defined in the Companies (Winding Up and Miscellaneous Provisions) Ordinance (Cap. 32 of the Laws of Hong Kong) ("CO") or which do not constitute an offer to the public within the meaning of the CO and (b) no person shall issue or possess for the purposes of issue, whether in Hong Kong or elsewhere, any advertisement, invitation or document relating to the investments which is directed at, or the contents of which are likely to be accessed or read by, the public in Hong Kong (except if permitted to do so under the securities laws of Hong Kong) other than with respect to the investments which are or are intended to be disposed of only to persons outside Hong Kong or only to "professional investors" within the meaning of the SFO and any rules made thereunder.

## SINGAPORE

Singapore Interests in the funds mentioned herein are not allowed to be made to the public or any members of the public in Singapore other than (i) to an institutional investor under Section 274 or 304 of the Securities and Futures Act (Cap 289) ("SFA"), as the case may be, (ii) to a relevant person (which includes an Accredited Investor) pursuant to Section 275 or 305 and in accordance with other conditions specified in Section 275 or 305 respectively of the SFA, as the case may be, or (iii) otherwise pursuant to, and in accordance with the conditions of, any other applicable provision of the SFA.

## IMPORTANT INFORMATION: APAC

DWS is the brand name of DWS Group GmbH & Co. KGaA. 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 Group GmbH & Co. KGaA, its affiliated companies and its officers and employees (collectively "DWS Group") 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.

DWS Group does not give tax or legal advice. Investors should seek advice from their own tax experts and lawyers, in considering investments and strategies suggested by DWS Group. Investments with DWS Group are not guaranteed, unless specified.

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 the 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 the transaction and not the summary contained herein. Past performance is no guarantee of current or future performance. Nothing contained herein shall constitute any representation or warranty as to future performance.

Although the information herein has been obtained from sources believed to be reliable, DWS Group does not guarantee its accuracy, completeness or fairness. No liability for any error or omission is accepted by DWS Group. Opinions and estimates may be changed without notice and involve a number of assumptions which may not prove valid. All third party data (such as MSCI, S&P, Dow Jones, FTSE, Bank of America Merrill Lynch, Factset & Bloomberg) are copyrighted by and proprietary to the provider. DWS Group or persons associated with it ("Associated Persons") 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.

The document was not produced, reviewed or edited by any research department within Deutsche Bank 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 Deutsche Bank departments including research departments. This document may contain 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 Deutsche Bank as to the reasonableness or completeness of such forward looking statements or to any other financial information contained herein.

This document may not be reproduced or circulated without DWS Group's 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 Group 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.

Unless notified to the contrary in a particular case, investment instruments are not insured by the Federal Deposit Insurance Corporation ("FDIC") or any other governmental entity, and are not guaranteed by or obligations of DWS Group.

© 2019 Deutsche Asset Management (Asia) Limited

Publisher: DWS Investment GmbH, Mainzer Landstraße 11-17, 60329 Frankfurt am Main, Germany