

## Nearing normal

---

BlackRock Investment Institute | BlackRock | June 2015

### SUMMARY

The US Federal Reserve is (reluctantly) ending a long period of abnormally low rates. The world's premier central bank and its peers have quashed volatility, helped lift asset prices to great heights and had us obsess about monetary policy.

As we near a US exit from zero interest rates, traditional drivers of portfolio returns such as productivity and earnings growth are set to reassert themselves.

- The base case – global divergence in monetary policy and asset prices – looks to be playing out. The Fed is likely to lead the tighteners' camp by raising short-term rates in the autumn on an expected US economic acceleration and rising wages. The Bank of England (BoE) is expected to follow in November or February.
- On the other end of the spectrum, European Central Bank (ECB) is likely to keep up asset purchases until September 2016. The Bank of Japan (BoJ) looks to press on with quantitative easing (QE), and more domestic stimulus from the People's Bank of China (PBoC) is expected. It is therefore premature to call an end to global QE – but worth thinking about because markets tend to front-run events.
- Focusing on fundamentals, some key indicators are flashing red. Productivity growth appears to be flagging. This affects growth rates, monetary policy and, ultimately, corporate margins. Note the possibility of a cyclical rebound in productivity. This would enable central banks to raise rates at a slow pace but end at a higher-than-expected destination.
- Most assets are priced for a prolonged period of low growth, rates and volatility. The pullback of the appreciating US dollar (temporary, arguably) and juggernaut rise in German yields from ultra-low levels (stickier) illustrate how this paradigm is changing. Things only have to go a little awry to become dodgy.
- Heady valuations in many markets, uncertainty over the pace of Fed tightening and intermittent fears of a Greek eurozone exit argue for caution – and selectivity in countries, sectors and securities. This is balanced with the knowledge that bull markets often last much longer than expected – and the risk of missing out on gains. Lower-risk portfolios with upside hedges in the form of call options are favoured.
- Fixed income is looking less expensive after recent yield rises. Brace for volatility. The US term premium – or compensation for interest rate risk – is well below its

long-term average. The US yield curve is expected to eventually flatten as the Fed normalises rates. Short-maturity bonds look vulnerable, whereas long-term bonds are supported by a global craving for yield.

- Favour US credit over government debt. In the eurozone, QE-supported subordinated bank debt and selected long-maturity peripheral bonds are favoured. The higher yields of emerging market (EM) hard-currency bonds should cushion price falls caused by Fed rate rises.
- US stocks look pricey and corporate margins high. Cyclical sectors such as consumer discretionary, tech and financials are favoured over bond proxies (utilities and consumer staples). Equities in Europe (banks) and Japan (financials and exporters) are liked on weak currencies and monetary stimulus, and EM equities are favoured in countries with reform momentum or monetary easing.

## 1. ECONOMICS

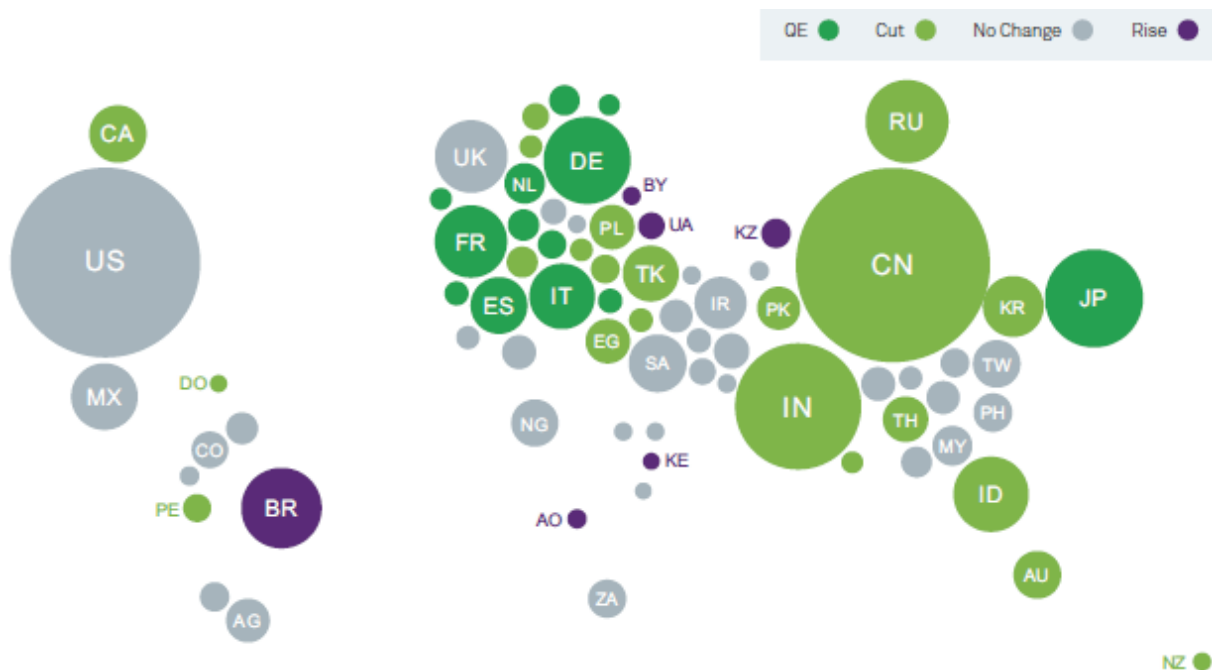
Market trepidation about the first Fed interest rate increase in nine years is awakening global fixed income markets lulled into complacency by years of near-zero rates and regular doses of quantitative easing (QE). This is just the beginning. Fundamentals such as productivity and corporate earnings growth should gradually regain their prominence as drivers of portfolio returns.

Yet, divergent monetary policies and resulting currency moves are dominating global markets for now. The prime focus in the second half is the Fed. Expect the US central bank to raise short-term interest rates on signs of strength in the labour market, an uptick in wages and a bottoming in inflation. The BoE looks set to follow the Fed's lead either in November or February as construction spending is helping power the UK's recovery.

The rest of the world remains in monetary easing mode, due to lacklustre growth and limp inflation expectations. Some 20 central banks – including those of China, Australia and Canada – have cut official interest rates so far this year. Refer the countries in light green in Figure 1 (over page). The eurozone and Japan (dark green) have extraordinary monetary policies in place in the form of QE.

The ECB is expected to run its asset-purchase programme until September 2016 as planned. Do not count on additional doses of QE beyond that – inflation appears to have bottomed. The BoJ is likely to keep up QE in a bid to hit a 2% inflation target. More yen weakness, however, appears unlikely (unless portfolio outflows accelerate). Japan's real effective exchange rate has fallen 30% in three years. This is raising import prices – and further depreciation could undermine policymaker plans to revive consumer spending.

**Figure 1: Diverging world**  
Latest central bank move by country, June 2015



Sources: BlackRock Investment Institute and central bank websites, June 2015. Notes: the map shows the latest central bank policy move in 2015 in the 75 largest economies by GDP (calculated on a purchasing power parity basis). Countries are scaled according to the size of their GDP.

Most emerging markets are cutting rates to cushion slowing export growth. The PBoC is expected to further cut interest rates and bank reserve ratios as China's policymakers try to rebalance an economy dependent on credit, investment and exports toward sustainable consumption. Many others (including India) have the room for monetary stimulus with inflation at historically low levels. Some may have delayed easing to await the impact of the Fed's rate rise.

Falling commodity prices have pressured the current account balances of commodity-exporting economies. This is hitting the currencies and depleting the foreign reserves of those dependent on external financing. Some (including Brazil) have raised interest rates in 2015 to suppress inflation and/or to defend their currencies (the countries in purple).

### 1.1 Regime change

The era of zero interest rate policy (ZIRP) is finally drawing to an end. Signs of a healthier economy and frothiness in financial markets are paving the way for a Fed rate rise. There are

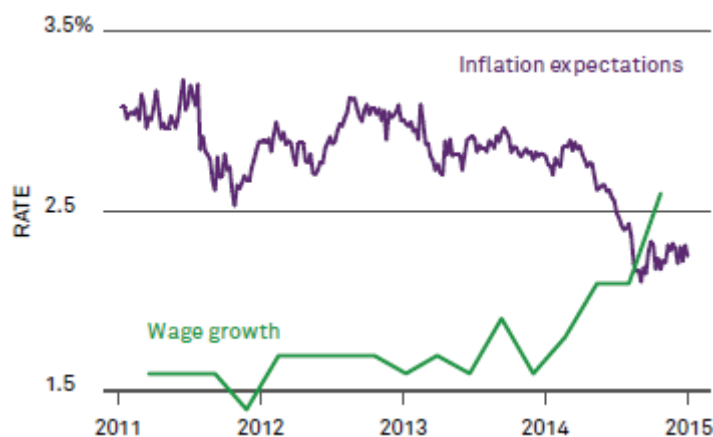
three key signposts: 1. Jobs – the US economy created more jobs in the past 24 months (through May 2015) than in the previous 13 years, government data show; 2. Inflation – US inflation expectations are believed to have bottomed in early 2015 due to the collapse in oil prices (Figure 2); and, 3. Wages – US wages are rising after flat lining for years.

The emergency that brought about ZIRP is gone. Yet, the Fed appears to react more strongly to growth disappointments than upside risks. Expect it to tighten with one hand while easing with the other (lots of soothing words like ‘gradual’). The base case is an initial 0.25% rate rise in September or December.

What happens next? The yield curve is expected to flatten eventually, as the Fed gently tightens policy. Yet, there are risks. If the US economy weathers the first few rate rises and financial conditions do not tighten, the Fed may act more boldly. Two scenarios arise: firstly, the Fed increases faster, and ends up inverting the yield curve; and, secondly, the Fed starts selling down the \$4.2 trillion of bonds on its balance sheet. This would lead the yield curve to steepen, arguably.

**Figure 2: The case for a US rate rise**

US inflation expectations and wage growth, 2011–2015

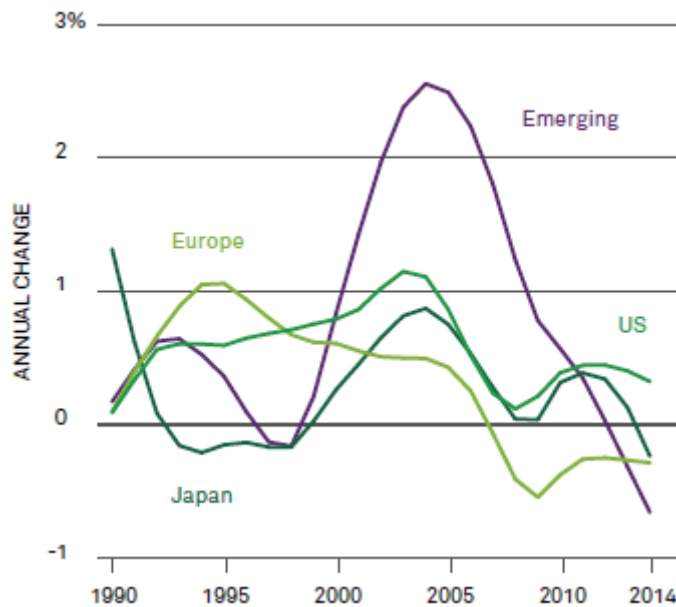


Sources: BlackRock Investment Institute, Thomson Reuters and US Bureau of Labor Statistics, June 2015. Notes: inflation expectations reflect the average expected inflation rate over the next five years, starting five years ahead. Wage growth is based on the 12-month change in the US Employment Cost Index.

As the Fed starts to normalise, fundamentals will take centre stage. The problem is that productivity growth appears to have imploded (Figure 3 over page). What is causing this? Three possibilities: 1. The full productivity bounty from innovations such as big data is just around the corner; 2. The benefits of the digital economy are not captured in official statistics (i.e. we are underestimating productivity); and, 3. Today's innovations will not have the same impact as past ones (electricity).

**Figure 3: Productivity puzzle**

Productivity growth in selected economies, 1990–2014



Sources: BlackRock Investment Institute and The Conference Board, June 2015. Notes: productivity is measured as annual growth in total factor productivity. The growth rate is smoothed using a Hodrick–Prescott filter to remove shortterm fluctuations caused by business cycles. The Europe category consists of European Union members plus Iceland, Norway and Switzerland.

There is another dimension to this – productivity may be at a cyclical trough in the current unusually weak economic recovery. Companies have been ploughing money into share buybacks and dividends – whereas capital expenditures have been growing at a slower clip than might be expected after a recession. And the capital stock is ageing (at least in the US).

A cyclical productivity rebound would help wages and profit margins, and keep inflation subdued, allowing central banks to tighten at a slower pace, but end at a higher rate than expected. A structural productivity slump, by contrast, could crimp corporate profits and lower the economy’s speed limit. Central banks would be forced to raise rates rapidly due to inflationary pressures, but end at a lower peak rate, which could hurt stocks and bonds.

## 2. MARKETS

Investors could have snored through the first half – and woken up to find little had changed. Yet, they would have missed some heady stuff in between. Ten-year German Bund yields jumped 13-fold in seven weeks (from extraordinarily low levels) when the eurozone showed a faint pulse, with growth and inflation ticking up. This ended a greater fool theory that said

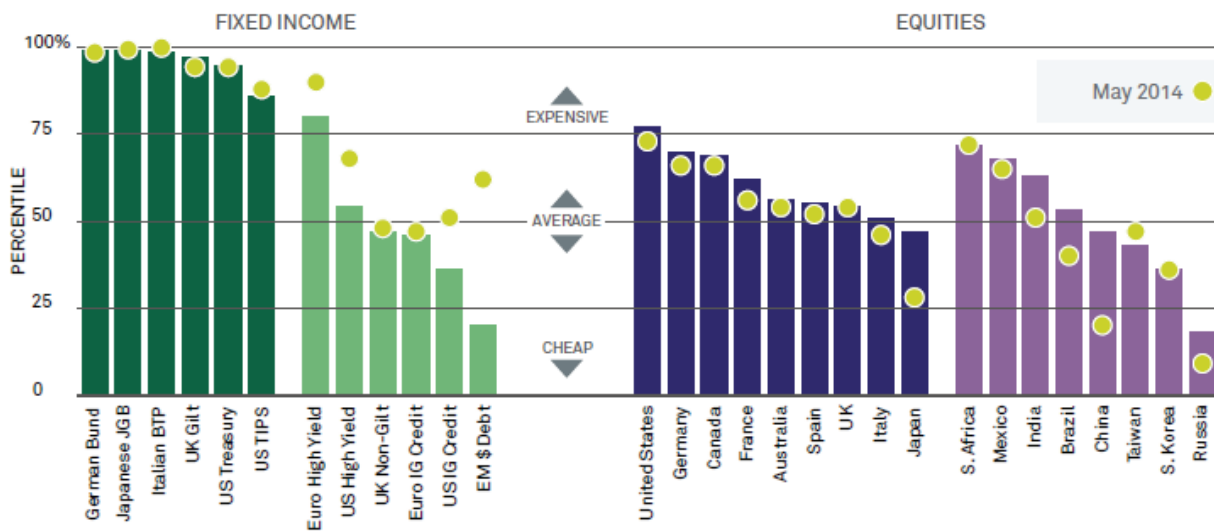
- it is fine to buy very expensive bonds because you can always sell them at an even higher price.

The term premium of US Treasuries (compensation for the risk real rates will rise by more than expected) also bounced back. The resulting tempest was magnified by poor market liquidity. Trading volumes have not kept up with the explosion of debt since the 2008-2009 financial crisis. Even central bankers have started to voice unease - and not out of sympathy for the plight of hard-working bond traders, in the author's view.

Overhanging these concerns - valuations that are pretty rich (Figure 4). Government bonds are hovering near record prices, even after the tempest. Credit markets offer better relative value than a year ago. Valuations of developed equities are average, with the US market the outlier. EM stocks look reasonable but are not screaming buys. Where they look cheap, it is often for good reasons.

**Figure 4: In search of value**

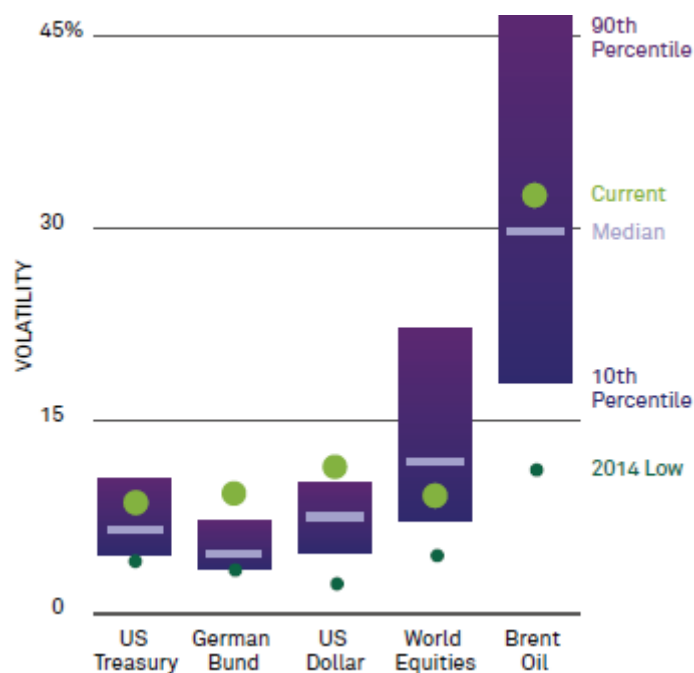
Valuations by percentile vs. historical norms, May 2015



Sources: BlackRock Investment Institute and Thomson Reuters, 29 May 2015. Notes: the percentile bars show valuations of assets as of 29 May 2015, versus their historical ranges. For example, US equities are currently in the 77th percentile. This means US equities trade at a valuation equal to or greater than 77% of their history. The dots show where valuations were a year ago. Government bonds are 10-year benchmark issues. Credit series are based on Barclays indexes and the spread over government bonds. Treasury Inflation Protected Securities (TIPS) are represented by nominal 10-year US Treasuries minus inflation expectations. Equity valuations are based on MSCI indexes and are an average of percentile ranks versus available history of earnings yield, cyclically adjusted earnings yield, trend real earnings, dividend yield, price to book, price to cash flow and forward 12-month earnings yield. Historical ranges vary from 1969 (developed equities) to 2004 (EM\$ Debt).

Bond and currency volatilities have already spiked, as Figure 5 shows. Equity volatility is expected to follow. This would challenge traditional bond–equity diversification.

**Figure 5: Caution: equity volatility ahead**  
Realised volatility by asset class, 1995–2015



Sources: BlackRock Investment Institute and Thomson Reuters, June 2015. Notes: volatility is measured as the standard deviation of daily returns over a rolling 30-day window on an annualised basis. The bars show the 10th to 90th percentile over the past 20 years. The lines show the median and the dots the current levels. Bond volatilities are based on 10-year US Treasuries and German Bunds. Stock volatility is based on the MSCI World Index. Dollar volatility is based on the DXY Index.

## 2.1 Bonds: follow the Fed

What happens to bond markets when the Fed normalises? A September rate increase would likely hit short-maturity bonds. Yet any rise in long-term rates should be subdued by yield-hungry buyers. There is an estimated \$5.8 trillion global shortage of high-quality bonds in 2015 and 2016. Demand from regulated asset owners such as insurers exceeds net supply.

Global bond yields shot up in the second quarter but still look low (particularly in Germany), even when viewed against relatively short three-year histories – refer the third column in Figure 6. Where to in the second half? Options markets point to wide ranges. There are risks

for the US dollar and government bond yields skewing to the upside and expect a tighter range for US credit spreads.

### Figure 6: Performance in perspective

Actual performance and option-implied ranges for selected assets, 2012–2015

Market	Current level	Three-year actual range		Option-implied range for second half	
10-Year US Treasury	2.32%	1.39%		3.03%	1.81% – 2.82%
10-Year German Bund	0.81%	0.08%		2.05%	0.36% – 1.26%
Emerging Market Debt (ETF Price)	\$109.37	\$103.69		\$123.16	\$101.42 – \$117.32
US Investment Grade (Spread)	0.70%	0.55%		1.19%	0.46% – 0.94%
US High Yield (Price)	\$105.75	\$94.47		\$110.5	\$101.10 – \$110.40
US Dollar Index	94.3	78.85		100.33	89.47 – 99.13

Sources: BlackRock Investment Institute and Bloomberg, June 2015. Notes: the data are as of 17 June 2015. The purple dots indicate the average levels of the past three years. Emerging market debt is based on the iShares JPMorgan Emerging Markets Bond ETF. The credit sectors are based on Markit credit indexes. The option-implied ranges are based on six-month, at-the-money forward straddles, referenced to 17 June spot rates. Performance is shown for illustrative purposes only. It is not possible to invest directly in an index.

Corporate bonds look like better value after a rise in absolute yields and credit spreads. In investment grade (IG), financials, energy (pipelines), REITs and tobacco issues are favoured. The key risk for the IG market is a takeover boom is threatening credit quality. High yield bonds are less exposed to this risk (they are often the targets rather than the acquirers). Earnings growth and low default rates (just 1.9% in the first quarter, versus a long-term average of 4.4%, according to Moody's) help, too. Markets are pricing in little or no inflation risk, so inflation-linked rather than nominal bonds are preferred.

The biggest risk is an expansion of the US term premium. The current premium (0.4%) sits far below a long-term average of 1.6%. Past rebounds from low levels have been fast and furious.

The ECB's largesse has driven a collapse in bond yields across the eurozone and pushed down the euro. Yet it is hard to see the ECB extend QE beyond the September 2016 termination date if core inflation stabilises around 1%. Formerly high-yielding nations such as Spain no longer offer much absolute value. Long-dated sovereign debt of Portugal and subordinated bank debt is preferred. The euro is believed to be heading to parity with the dollar over time – but expect bumps along the way. Fears of a Greek exit from the eurozone and/or the impact thereof are likely to come and go. Markets are like goldfish – only able to focus on one thing at a time and finding each trip around the bowl a brand-new experience.



## 2.2 EM debt decisions

Fed tightening cycles have sparked EM debt crises in the past. Yet emerging markets are in better shape these days, with less external debt, deeper financial markets and more dry powder for stimulus. The bigger risk today is anaemic growth. Global trade (the engine of EM growth) is slowing. And EM productivity has fallen more sharply than elsewhere. Yet EM hard-currency debt yields of almost 6% offer a buffer against price declines caused by Fed tightening. Hard-currency over most local bonds is preferred, on the view the US dollar is rising against many EM currencies. Countries with reform momentum and falling inflation are favoured (India, China and Mexico), while avoiding those with high inflation, trade deficits and piles of foreign currency debt. Years of easy money suppressed divergences in the EM world. Dispersion is set to rise as fundamentals return to the fore.

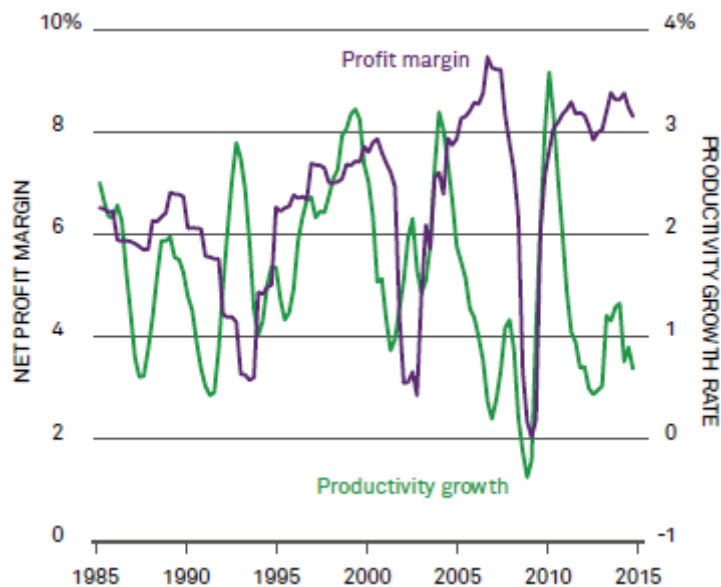
## 2.3 Equities: least dirty shirt

Equities look reasonably valued – relative to bonds. This explains the angst about the Fed rate rise, especially for richly valued US equities. Three observations arise:

1. Rising rates threaten US dividend-paying, low-volatility sectors such as utilities, property investment trusts and consumer staples. These so-called bond proxies have racked up average annual returns of 9% in periods of falling rates but lost ground otherwise, analysis of monthly S&P 500 returns between 1953 and 2012 shows. US bond proxies fell in the first half, but the authors do not think current valuations reflect the risk of further yield rises.
2. Rising rates benefit banks as loan growth tends to rise in tandem. Large US banks on modest valuations, strong balance sheets, potential for dividend growth and rising trading revenues are favoured. Regulatory risks abound, but legal bills and compliance costs have peaked, in the authors' view.
3. US profit margins look unsustainably high given a productivity slowdown. Productivity trends often lead margins, as Figure 7 (over page) shows. Have margins moved to a higher plateau thanks to 'asset-lite' companies with few physical assets? Maybe. Yet workers demand more pay when labour markets tighten. Rising labour costs are fine – for companies with accelerating revenues (there are few) or pricing power (ditto). A potential double whammy: rising wages cause a margin slide and faster rate increases.

**Figure 7: Defying gravity**

US profit margins and productivity growth, 1985–2015



Sources: BlackRock Investment Institute, Oxford Economics and Thomson Reuters, June 2015. Notes: the US profit margins are based on Thomson Reuters Datastream's US Total Market Equity Index. Productivity growth is a one-year moving average of the annual growth rate.

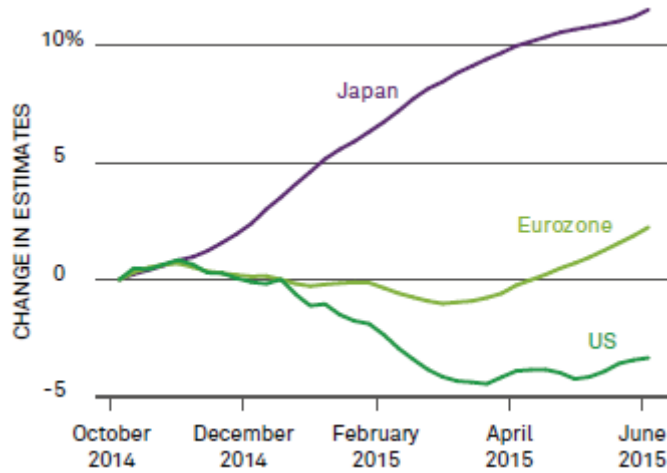
## 2.4 Dollar magic

European equities are no longer cheap, but earnings forecasts are finally on the rise (see the light-green line in Figure 8 over page). Thank the weak euro, loose credit conditions engineered by the ECB's bond purchases and signs of loan growth. Value equities, particularly banks, are favoured. Bad loans look to have peaked, so banks with weak balance sheets in countries such as Italy, France and Spain are to be avoided. Selected telecoms and construction companies are favoured also.

Japanese equities are still favoured. The weak yen has boosted earnings estimates (see the purple line in Figure 8) while increasing dividends and buybacks provide extra support. Beneficiaries of capital investment (exporters) and domestic reflation (financials) are favoured, along with selected utilities on nuclear reactor restarts, low fuel prices and deregulation.

Asian equities are at the cusp of a long run higher, in the authors' view. Why? Reasons include good value, easing financial conditions and reform momentum to liberalise economies such as India. Chinese domestic small- and mid-cap shares are in bubble territory. Hong Kong-listed Chinese equities are preferred.

**Figure 8: FX fallout**  
Change in 12-month forward earnings estimates, 2014–2015



Sources: BlackRock Investment Institute and Thomson Reuters, June 2015. Notes: the lines show the change in 12-month earnings estimates for the MSCI US EMU and Japan indexes. The estimates are rebased to zero on 30 Sept. 2014.

## IMPORTANT INFORMATION

This material is part of a series prepared by the BlackRock Investment Institute and is not intended to be relied upon as a forecast, research or investment advice, and is not a recommendation, offer or solicitation to buy or sell any securities or to adopt any investment strategy. The opinions expressed are as of June 2015 and may change as subsequent conditions vary. The information and opinions contained in this paper are derived from proprietary and nonproprietary sources deemed by BlackRock to be reliable, are not necessarily all-inclusive and are not guaranteed as to accuracy. As such, no warranty of accuracy or reliability is given and no responsibility arising in any other way for errors and omissions (including responsibility to any person by reason of negligence) is accepted by BlackRock, its officers, employees or agents. This paper may contain 'forward-looking' information that is not purely historical in nature. Such information may include, among other things, projections and forecasts. There is no guarantee that any forecasts made will come to pass. Reliance upon information in this paper is at the sole discretion of the reader. In the EU issued by BlackRock Investment Management (UK) Limited (authorised and regulated by the Financial Conduct Authority). Registered office: 12 Throgmorton Avenue, London, EC2N 2DL. Registered in England No. 2020394. Tel: 020 7743 3000. For your protection, telephone calls are usually recorded. BlackRock is a trading name of BlackRock Investment Management (UK) Limited. Issued in Switzerland by the representative office BlackRock Asset Management Schweiz AG, Bahnhofstrasse 39, CH-8001 Zürich. Issued in the Netherlands by the Amsterdam branch office of BlackRock Investment Management (UK) Limited: Amstelplein 1, 1096 HA Amsterdam, Tel: 020 - 549 5200. Issued in Australia by BlackRock Investment Management (Australia) Limited ABN 13 006 165 975 AFSL 230 523 (BIMAL). This document provides general information only and has not been prepared having regard to your objectives, financial situation or needs. Before making an investment decision, you need to consider whether this document is appropriate to your objectives, financial situation and needs. This document is not a securities recommendation. This document has not been prepared specifically for Australian investors. It may contain references to dollar amounts which are not Australian dollars. It may contain financial information which is not prepared in accordance with Australian law or practices. BIMAL, its officers, employees and agents believe that the information in this document and the sources on which the information is based (which may be sourced from third parties) are correct as at the date of this document. While every care has been taken in the preparation of this document, no warranty of accuracy or reliability is given and no responsibility for this information is accepted by BIMAL, its officers, employees or agents. Except where contrary to law, BIMAL excludes all liability for this information. In Singapore, this is issued by BlackRock (Singapore) Limited (Co. registration no. 200010143N). In Hong Kong, this document is issued by BlackRock Asset Management North Asia Limited and has not been reviewed by the Securities and Futures Commission of Hong Kong. For distribution in Korea for Professional Investors only (or 'professional clients,' as such term may apply in local jurisdictions). Investments involve risks. Past performance is not a guide to future performance. This material is intended for information purposes only and does not constitute investment advice or an offer or solicitation to purchase or sell in any securities, BlackRock funds or any investment strategy nor shall any securities be offered or sold to any person in any jurisdiction in which an offer, solicitation, purchase or sale would be unlawful under the securities laws of such jurisdiction. Not approved for distribution in Taiwan or Japan. In Canada, this material is intended for permitted clients only. In Latin America this piece is intended for use with Institutional and Professional Investors only. This material is solely for educational purposes and does not constitute investment advice, or an offer or a solicitation to sell or a solicitation of an offer to buy any shares of any funds (nor shall any such shares be offered or sold to any person) in any jurisdiction within Latin America in which such an offer, solicitation, purchase or sale would be unlawful under the

securities laws of that jurisdiction. If any funds are mentioned or inferred to in this material, it is possible that some or all of the funds have not been registered with the securities regulator of Brazil, Chile, Colombia, Mexico, Peru or any other securities regulator in any Latin American country, and thus, might not be publicly offered within any such country. The securities regulators of such countries have not confirmed the accuracy of any information contained herein. Investment involves risk including possible loss of principal. International investing involves risks, including risks related to foreign currency, limited liquidity, less government regulation, and the possibility of substantial volatility due to adverse political, economic or other developments. The information provided here is neither tax nor legal advice. Investors should speak to their tax professional for specific information regarding their tax situation. ©2015 BlackRock, Inc. All Rights Reserved. BLACKROCK is a registered trademark of BlackRock, Inc., or its subsidiaries in the United States and elsewhere. All other trademarks are those of their respective owners.

---

*Russ Koesterich is Global Chief Investment Strategist with [BlackRock Investment Institute](#). Jean Boivin is Deputy Chief Investment Strategies with BlackRock Investment Institute. Nigel Boldon is CIO, BlackRock International Fundament Equity. Neeraj Seth is Head of Asia Credit, BlackRock Alpha Strategies. Sarah Thomason is Head of Blackrock's US Liquid Credit Research. Ewen Cameron Watt is Global Chief Investment Strategist, BlackRock Investment Institute.*

---