Global Insight

Perspectives from the Global Portfolio Advisory Committee











For important and required non-U.S. analyst disclosures, see page 23.



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The prospects for European stocks look brighter than they have for some time. In an illuminating interview, the head of European equity at RBC Global Asset Management shares the many facets and special features which make the European equity story stand out.

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A simple concept can go a long way. For the investor who starts early the effect of compounding is surprisingly compelling. By harnessing the power of dividend-paying stocks, investors can cushion the blow from market downturns and build a cash flow machine.

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Manufacturing momentum around the world points to an economic expansion that is nowhere near the finish line. And with confident consumers, rising corporate earnings, and deliberate central bank policy, our long-term constructive outlook for global equities remains intact.

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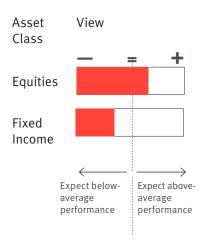
The flat yield curve is sending a message. But it's important to filter out the noise about curve inversions and possible recessions in order to hear what's really being said. We think the curve is telling central banks to tread cautiously as they manage policy normalization.

Inside the markets

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All values in U.S. dollars and priced as of market close, June 30, 2017, unless otherwise stated.

Global asset views



See "Views explanation" below for details

Source - RBC Wealth Management

RBC's investment stance

Equities

- The global equity market extended its run as the MSCI World Index climbed for the eighth straight month, the longest streak since the bull market began in 2009. While a consolidation period or pullback would be normal following such a rally, we believe a moderate Overweight position in global equities is still warranted as our positive long-term thesis remains intact. Economic downturns are the biggest threat to equity returns over time, and currently there is an absence of compelling evidence that a global or U.S. recession is close.
- At this stage, Europe offers the best risk/reward profile, in our view, due to improving economic and earnings outlooks, reduced political risks, and a largerthan-normal valuation discount versus the U.S. We would hold Market Weight positions in North America and Asia.

Fixed Income

- Fixed income markets are signaling that global growth is unlikely to shift into high gear anytime soon and inflation could remain tame. This message is coming through loud and clear as evidenced by the pronounced flattening of government bond yield curves, particularly in the U.S. While central bankers in North America and Europe assert that weak inflation is transitory, markets seem more circumspect. These developments could keep the Federal Reserve on the sidelines through year end.
- We would continue to Underweight global fixed income allocations in portfolios.
 Corporate credit remains our favorite sector, but we recommend investors upgrade the quality of their portfolios. Even though the pool of attractive bonds is limited due to tight credit spreads and elevated valuations, there are selective opportunities to move up the quality ladder.

Views explanation

(+/=/-) represents the Global Portfolio Advisory Committee's (GPAC) view over a 12-month investment time horizon.

- + Overweight implies the potential for better-than-average performance for the asset class or for the region relative to other asset classes or regions.
- = Market Weight implies the potential for average performance for the asset class or for the region relative to other asset classes or regions.
- Underweight implies the potential for below-average performance for the asset class or for the region relative to other asset classes or regions.

Focus article



Dominic Wallington London, United Kingdom dominic.wallington@rbc.com

Continental shift: The appeal of European equities

To us, the prospects for European equities look brighter than they have for quite some time. We recently <u>upgraded the region</u>, citing reduced political risks, improved economic and earnings growth, and attractive valuations.

To gain additional insight we recently spoke with Dominic Wallington, head of European equity at RBC Global Asset Management. He discusses why equities in the region are appealing from his vantage point as a fund manager. He goes on to offer insights into the unique characteristics of European companies, including their long-standing dividend-paying tradition, centuries-old business franchises, and high-return traits.

Q. Are there distinguishing features of European companies that are particularly attractive for long-term investors?

A. One of Europe's most attractive features is its long history of sharing profits with shareholders in the form of dividends. This stems at least back to the year 1600 when Queen Elizabeth I gave a royal charter to the East India Company for which the *quid pro quo* was that the company would pay a dividend. So this is a very long-lived cultural phenomenon at which Europe tends to excel.

Comparison of key industry dividend yields by region



The dividend-paying tradition remains to this day.

Note: For U.S., S&P 500; for Europe, Dow Jones Europe and STOXX Europe; data as of 6/26/17

Source - RBC Wealth Management, Bloomberg

Continental shift

Q. Many companies in the U.S. and in other global markets also pay dividends—what makes the European dividend-paying companies unique?

A. Europe has some of the oldest companies in the world. These sorts of companies have seen their returns persist for very long periods of time, sometimes centuries, not only in the form of profitability but also in terms of the franchise itself. A surprising number continue to dominate their particular sector or industry segment not only in Europe but globally.

LVMH is an example—Louis Vuitton opened its doors in the middle of the 19th century, but is also the owner of many brands that go back much further. One of these, Chaumet, has been around since 1780, making jewelry for the French aristocracy. The historians amongst you will know that business was curtailed in 1789 by the French Revolution. But by 1802, Chaumet had become the official jeweler to Napoléon I. Today the company has more than 80 stand-alone boutiques around the world and is in hundreds of other retail locations.

The reason I relate company histories is to point out these are long-lived franchises, with great cachet, that have existed during repeated periods of political and economic upheaval. They tend to possess the characteristics we focus on—high internal rates of return, low capital intensity, stability, international reach, and the proven capability to weather all sorts of storms.

Example of European global leaders with a long history

Many European companies have lived through tumultuous times

Date of origin		
1854	MOST HENNESSY LOUIS VUITION	Luxury brand – LVMH (Christian Dior)
1925	novo nordisk®	Diabetes care company – Novo Nordisk
1880	Reed Elsevier	Scientific publisher – RELX
1885	Unilow	Emerging market FMCG company – Unilever
1849	essilor	Corrective lens supplier – Essilor
1896	Roche	Supplier of cancer medicines – Roche
1925	novozymes* Rethink Tomorrow	Supplier of enzymes – Novozymes
1874	CHR HANSEN	Supplier of food cultures – Christian Hansen

Source - RBC Global Asset Management, RBC Wealth Management

Q. You say "high-return businesses" should be a priority for investors of European equities. Why is this important to you as a fund manager?

A. For the simple reason that in the normal course of events, if you attach yourself to a company that earns a high return, it is likely that you as an investor will also garner a high return. Broadly speaking, we're referring to companies that

Continental shift

deliver a high return on equity, or said another way, companies that generate a high level of profits as a proportion of the money shareholders have invested.

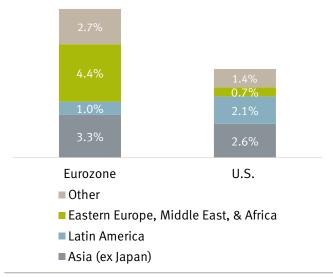
When we look at two different companies—one with a return on equity of 15% and one of 5%, and apply the same balance sheet to both and reinvest all the proceeds, then the 15% return business is worth more from a shareholders' equity perspective over a 10-year period than the lower return business by a factor of nearly five times. So we tend look for these high-quality corporate franchises. We believe companies that have the widest, deepest moats (i.e., barriers to entry) and the highest returns on equity will deliver the best returns to shareholders. Moreover, among high-return businesses, there are still a number of European companies that trade at a discount to their U.S. peers.

Q. What specifically is it about European companies' international exposure that is so appealing at this stage?

A. Europe engages in a great deal of international trade. With the U.S., China, and Europe all growing, the world is enjoying a period of synchronized global growth. This benefits many European companies which tend to generate an above-average proportion of revenues and earnings outside their home markets.

Within this international profile, the region also has significant exposure to emerging market (EM) economies, which are usually thought to be outsized beneficiaries of synchronized global growth. At the same time, European companies have strong corporate governance and strict accounting rules. In effect, shareholders can access EM exposure through European equities with less corporate risk than most companies headquartered in those markets.

Gross exports to emerging markets as a percentage of gross domestic product



The eurozone's exposure to emerging markets is twice that of the U.S.

Source - National research correspondent, RBC Wealth Management

Continental shift

Industry concentration, digitization, chronic illness, and food technology are themes we think will be long-lived and benefit European companies.

Q. What are some of the key investment themes that you run across in Europe?

A. We're not thematic investors but when we did a deep dive into the franchises that had exhibited great returns over long periods of time, we began to realize there were other things going on in terms of persistent thematic trends.

Industry concentration is one area, as there has been a general move away from the strict application of antitrust rules in many developed markets and parts of Asia as well. This benefits large, dominant European businesses. We've seen very substantial mergers and acquisitions, which I think is a continuation of this theme. For some industries, what it confers is huge corporate power and simultaneously a dramatic reduction of competition. As an investor, one has to celebrate this trend because it means the moats (barriers to entry) are remarkably deep and wide, and the levels of profitability are considerable.

Another theme is digitization, not only on the internet, but also more broadly how digitization and machine intelligence improve returns of businesses. Artificial intelligence promises to be the next, powerful manifestation of this theme.

Within health care, chronic illness is another powerful theme for us. We look at companies that deal with things like the treatment of diabetes, the first non-communicable global disease pandemic which affects 371 million people globally. Another example would be short (near) sightedness, as it has doubled in a generation partly because of the increased use of LED screens and aggressive education systems in many developed markets.

Food technology is another theme we follow. Food products are moving into emerging, fast growing markets that they couldn't have previously due to advancements in fermentation, enzymes, and isolates. For example, one company we follow has developed a culture for yogurts that removes the need for refrigeration. This enables the company to sell its products in China where tastes favour room temperature yogurt.

We think these themes will be long-lived—over decades—and should benefit European companies, especially those with deep moats.

Q. Notwithstanding their long-term appeal, is this the right time to be considering European equities?

A. European stocks have usually traded at a price-to-earnings multiple discount to U.S. equities. Brexit and the rise of populist, anti-EU parties in several countries widened that discount out to unprecedented levels over the past year. Recently, the French election of a centrist, pro-EU government appears to have marked an easing in those tensions. We believe European equities, particularly the kind of all-weather, persistently high-return dividend payers we have been talking about here, can be acquired today at valuations which are at a discount to those of U.S. peers, at a time when revenues, earnings, and profit estimates all appear to be on the rise.

Focus article



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"The effects of compounding even moderate returns over many years are compelling, if not downright mind boggling."

- Seth Klarman

Dividend strategy: Slow & steady wins the race

- Dividend-paying stocks can buffer equity portfolios against market volatility
- Dividend payers have a proven track record of delivering superior returns with lower volatility
- Sustained dividend growth is a simple but effective indicator of investment quality

With equity markets near all-time highs, valuations elevated, and much political uncertainty, investors are wondering what strategy to employ. There is a time-tested, "slow and steady" approach that offers superior returns and less volatility.

Companies with a demonstrated ability to increase their dividends over time tend to be high-quality businesses that create shareholder value. As the earnings of these businesses rise and shareholders reinvest the dividends, the wealth-building effect of compounding can be compelling.

For investors to take full advantage of the benefits of compounding, the message is fairly simple: (1) the earlier you start, the more compounding can do for you, and (2) try to avoid risks that may disrupt the process.

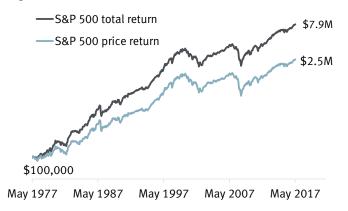
A short lesson in compounding

In any given year, an investor expecting perhaps a 6%–9% return on an equity portfolio with a dividend yield of 2%–3% is anticipating roughly one-third of the return to come from dividends and two-thirds from price appreciation.

Over the longer term and with the reinvestment of dividends, this expectation is turned on its head. The value of \$100,000 invested in the S&P 500 40 years

Value of \$100,000 invested in the S&P 500

Log scale



The power of compounding shines when comparing the difference in price appreciation versus total return with dividends reinvested over a long period of time.

Source - RBC Wealth Management, Bloomberg; data range: 5/31/77-6/27/17

Dividend strategy

One way to cushion the blow of market corrections is to invest in dividend-paying stocks. ago would have advanced to about \$8M today on a tax-free basis assuming all dividends were reinvested. Price appreciation alone would have taken the portfolio to just \$2.5M. The effect of dividend reinvestment and compounding accounted for roughly two-thirds of the ending value and price appreciation roughly one-third.

With an early start and decades to grow, the effect of compounding on the absolute sum is surprisingly powerful. Similar results were delivered over the same period by Canada's S&P/TSX Composite.

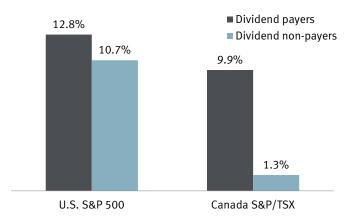
Avoiding potholes

Avoiding disruption to this process is also important. Confusingly, percentage losses and percentage gains are not made equal. A portfolio that declines by one-third must go up by 50% just to break even. A portfolio designed for stability that declines by perhaps 20% during the same market correction has much less ground to make up (a 25% rise) before resuming gains above the baseline, pre-correction level. Just as compounding can provide a growth wonder over time, several periods in a row of negative performance can have a cumulative, destructive effect.

One way to cushion the blow of market corrections is to invest in dividend-paying stocks. Returns generated by dividends are more reliable than are short-term stock price gyrations because dividends are generally paid through market ups and downs.

Dividend payers give the investor a leg up

Average annual return, dividend payers versus non-payers



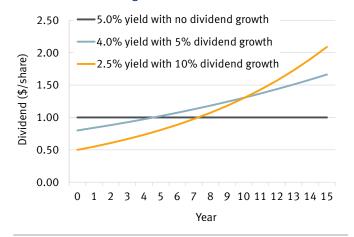
Dividend-paying stocks have delivered superior returns.

Source - RBC Capital Markets, Ned Davis Research

However, dividend-oriented strategies that are solely focused on seeking high dividend yields result in two common biases: a higher concentration in value stocks and a portfolio more focused on interest-rate-sensitive industries such as Telecom, Real Estate, Pipelines, and Utilities. Strategies focused on those themes can lag when markets shift from "value" to "growth," or when interest rates rise. Designing a strategy based on dividend growth broadens the pool of investable stocks and degree of sector diversification beyond what a narrow focus on dividend yields above a specific threshold can deliver.

Dividend strategy

Illustrative dividend growth scenarios



Seemingly attractive, high dividends can be surpassed by an initially smaller dividend that grows over time.

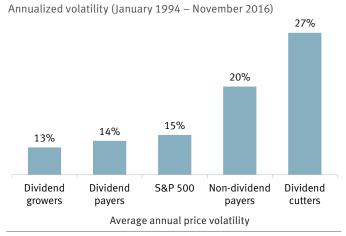
Note: Initial yield based on a \$20 initial stock price in all three cases Source - RBC Wealth Management

Dividend growers

The benefit of focusing on dividend growers versus dividend payers is really just an extension of the compounding theme. The income from a stock growing its dividend modestly will, in time, eclipse the income from an initially higher yield stock that does not deliver dividend growth. The compounding effect of steady growth can be illustrated with a simple mathematical representation.

Companies that raised, or at a minimum protected, their dividend through various economic cycles have demonstrated positive trends in their underlying businesses. Sustained dividend growth is a simple but effective indicator of investment quality that has produced better rates of return over time.

Easier to own



Payers experience much less price volatility.

 $Source - RBC \ Capital \ Markets \ Quantitative \ Research, \ RBC \ Wealth \ Management$

Building a cash flow machine

Building portfolios including only "dividend payers" can help to buffer against market downdrafts allowing an investor to better harness the longer-term benefits of *boring* but *effective* compounding. Taking it one step further, selecting stocks that generate an increasing cash flow stream to the investor—"dividend growers"—over the long run has historically delivered even more superior rates of return.

In sync

The latest Purchasing Managers' Index reading from the U.S. manufacturing sector confirms what European, Canadian, and most emerging economy activity indexes have been saying for some time—the global economy is not teetering on the edge of some new downturn. Rather, there has been a synchronised build in economic momentum over several quarters. This has not yet produced elevated levels of reported GDP growth and may never. But it strongly suggests there is more of this expansion to come.

Confident, employed consumers together with confident, profitable businesses are permitting deliberate central bankers to move toward normalising monetary policy. And so far, policymakers' own desire not to commit a damaging mistake, helped by benign inflation readings, has kept them away from a more overt tightening that would run the risk of snuffing out this expansion.

That day may yet come. But, for now, accommodative credit conditions and central bankers' commitment to a gradualist approach suggest the next recession lays some considerable way off—by our reckoning, at least a year, probably longer.

"Until a renewed global downturn and, in particular, a U.S. recession are on the horizon and fast approaching, equities should be given the benefit of the doubt." This mantra has underpinned our strategic recommendations on portfolio equity exposure for eight years and counting. We recommend a moderate equity Overweight for global portfolios.

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Equity views

Region	Current
Global	+
United States	=
Canada	=
Continental Europe	+
United Kingdom	-
Asia (ex-Japan)	=
Japan	=

+ Overweight = Market Weight - Underweight Source - RBC Wealth Management

Europe (ex the U.K.) is our favoured market (see the *French connection* article from the June issue and *Continental shift: The appeal of European equities* on page 4 of this issue), where we can find strong revenue and earnings growth coupled with still reasonable valuations and helped by a modest currency tailwind.

The valuation picture for most markets has changed over the past 18 months: from "compelling" at the lows of early 2016 to "less comfortable" today. For the S&P 500, the move from 15x earnings in Q1 last year to 21x today has provoked an outpouring of comments featuring terms like "expensive" and "overvalued." However, price-to-earnings (P/E) multiples say almost nothing about where the market is headed next or even over the next year. Temptingly low P/Es can go distressingly lower and already high ones stretch dizzyingly higher. There are no reliable "lines in the sand."

On the other hand, paying more than 20x earnings for any market puts the onus on profit growth to come through as forecast. We think it will not only

Global equity

for the U.S. market, but also for most developed economies as well.

That said, we expect there will be at least one correction of note before we get to the next "bear market" for stocks, probably more than one. Pick your poison: North Korea; the U.S. debt ceiling; German elections; Italian elections; British elections (it is a minority government after all); shrinking the Fed's balance sheet; China tightening; the weather. Something will upset today's comfortable equilibrium and usher in a period in which investors are much less certain than they are today about where markets are headed next.

As long as the risks of recession remain low, we expect to treat such interludes as buying opportunities.

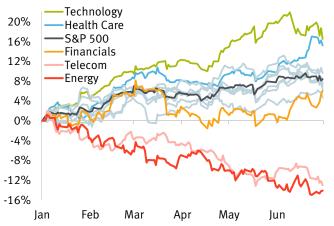
Regional highlights

United States

 Amid the S&P 500's 21% surge since last summer, market leadership has swapped places. Late last year after the election, Financials and other economically sensitive and value sectors, along with small caps, outperformed as economic and progrowth policy optimism rose. But so

- far this year, the less economically sensitive Technology and Health Care sectors and large caps have led the market as economic momentum eased, policy optimism receded, and Treasury yields, crude oil, and inflation pulled back.
- This rotation illustrates why it's prudent to own a diverse group of sectors, styles, and market capitalizations within equity portfolios. In a slow-growth economy, it is not unusual for economic indicators and market leadership to ebb and flow—or for leadership to narrow to just a handful of stocks like it has lately—particularly when technological advances are increasingly transforming and disrupting many industries. These factors, by nature, tend to generate churn among key market segments.
- We would maintain Market Weight exposure to U.S. equities, which translates into holding an allocation equal to the long-term strategic recommended level. We would keep some cash on the sidelines in the event that a pullback materializes. We continue to view the long-term outlook as bullish.

U.S. sector returns, year-to-date with top and bottom performers highlighted



Outperformance of Tech and Health Care have driven the S&P 500 forward in 2017. The question of what will carry the market into year end is yet to be determined, but recent strength in the Financials sector may be an indicator of what's to come.

Note: Light blue lines represent remaining S&P sectors Source - RBC Wealth Management, Bloomberg; data through 6/30/17

Global equity

Canada

- We are Market Weight on Canadian equities reflecting a balanced risk-reward opportunity in light of reasonable valuations. We are monitoring risks that we believe have relatively low probabilities of occurring but could have considerable consequences for the domestic economy if they were to unfold, including a housing market correction and material deterioration in U.S. trade relations.
- At 16.2x forward earnings, the S&P/ TSX Composite trades at a notable discount to the S&P 500 at 18.1x. With the domestic market's year-to-date underperformance, that discount is nearly as wide as the extreme level reached in early 2016. However, the attractiveness of the Canadian market's discounted valuation is tempered by increased risks to housing, trade, and energy prices.
- The Toronto housing market cooled in May with the average home price falling 6% from the prior month.

 Listings continued to swell (up 48% y/y) while resale activity slowed (down 21%). RBC Economics believes those developments are consistent with a soft landing for prices in the region. While the likelihood of an imminent correction appears low, the health of the housing market remains a risk to monitor given its importance to economic growth and impact on household leverage.
- North American crude prices have fallen 7% over the past month amid concerns of rising U.S. production and bloated inventories. Should crude oil remain in the range of \$45 per barrel, we expect balance sheet strength to come back into focus.
 We prefer well-capitalized producers with visible production growth amid

a more cautious outlook for energy prices.

Continental Europe & U.K.

- We are Underweight the U.K. due to the precariousness of the new government at a time it is negotiating with the EU a fundamental change in its economic model. An autumn election remains possible, raising the prospect of a business-unfriendly Labour government.
- For now, with the U.K. economy slowing and inflation rising to 2.9%, the cost of Brexit is becoming clearer, and public opinion seems to be starting to shift, with calls for an "open Brexit" or "soft Brexit" gaining prominence.
- While the outlook is murky, there are some opportunities in U.K. equities. Valuations are not overly demanding, and dividend yields are attractive. The weak pound could lift earnings growth, as some 70% of corporate earnings arise from overseas, and make U.K. businesses more attractive to foreign buyers. We maintain our bias toward international companies.
- We are Overweight Europe thanks to the confluence of an improved economic cycle, a broad earnings recovery, and the reduction of political risk. We prefer domesticoriented sectors and well-capitalised banks.

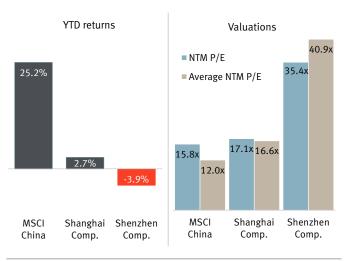
Asia

• Asian equities have performed solidly in 2017. The total return of the MSCI AC Asia Pacific Index was 16% in the first half of 2017. When global leading economic indicators peak, a degree of caution may be warranted. A number of Asian indices, including the KOSPI in South Korea and the Sensex in India, are at all-time highs, having rallied powerfully this year.

Global equity

- MSCI's decision to include 222 mainland Chinese equities, or A-shares, in its Emerging Markets Index should be kept in perspective. The changes will not occur until mid-2018 and will represent a very small percentage of the index. (Please see page 3 of the June 22 **Global Insight Weekly** for additional details.) However, this marks another milestone in the development of China's capital markets and could eventually become a significant development. The market capitalization of mainland Chinese stocks is second only to the U.S.
- Equity performance in China has been muted. The authorities have been clamping down on financial leverage; leading indicators are expansionary, but only modestly
- so; and there is selective policy tightening in regional property markets. Moreover, while the valuation for the Shanghai Composite looks relatively appealing at approximately 17x, this multiple is brought down due to the heavy weighting of large-cap state-owned enterprises which trade at low price-to-earnings multiples. The Shenzhen Composite, dominated by private enterprises, is trading at about 35x earnings, and there are many companies trading at particularly high multiples.
- We remain constructive on Japanese equities, although there has been a long run of strong performance that may need to be digested. A key risk is further yen appreciation.

Returns and valuations on major equity indexes in China

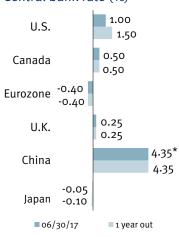


The Shenzhen Composite has limited exposure to largecap state-owned enterprises, relative to the MSCI China and Shanghai Composite indexes.

Source - RBC Wealth Management, Bloomberg; data through 6/30/17

Global fixed income

Central bank rate (%)



^{*1-}yr base lending rate for working capital, PBoC

Source - RBC Investment Strategy Committee, RBC Capital Markets, Global Portfolio Advisory Committee, Consensus Fronomics

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Caution, slippery road ahead

"Listen to the yield curve" is receiving renewed interest as the 2-yr./10-yr. U.S. Treasury yield spread has collapsed to its tightest level in several years, with global yield curves running flat as well. Flat yield curves are not atypical and can last for months, but there are concerns the inevitable next step is to an inverted curve, commonly viewed as the harbinger of a recession. We don't foresee a recession in the U.S., the economy is on solid footing, and growth prospects in other major economies are exhibiting positive signs. So rather than signaling impending recessions, flatter yield curves, in our opinion, are the result of global slow growth, low inflation, and the continued evolution of central bank monetary policies post Great Recession.

Yield curves, in our opinion, haven't lost their predicative power, but market noise and concerns over curve inversions and recessions make it difficult for investors to interpret the signs they give. Ultimately, whether curves flatten further, or steepen, may be up to how central bankers manage the policy normalization process. The big picture points to reduced policy accommodation as policymakers in Canada, the U.K., and the EU start to move toward adopting the Fed's patient, gradual path of policy normalization. At some point, tighter policy could narrow global sovereign yield spreads, stoking demand for domestic bonds at the expense of Treasuries. We think the slow pace of policy normalization by global central banks suggests steeper curves are a ways off.

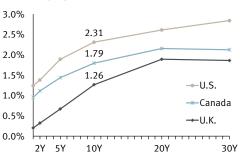
We believe investors should get used to flatter yield curves. Rather than signaling a recession, they are waving

Fixed income views

Region	Gov't Bonds	Corp. Credit	Duration
Global	-	+	5–7 yr
United States	-	+	5–7 yr
Canada	-	=	4–6 yr
Continental Europe	=	+	5–7 yr
United Kingdom	-	=	5–7 yr

+ Overweight = Market Weight - Underweight Source - RBC Wealth Management

Sovereign yield curves



Source - Bloomberg

the yellow caution flag at policymakers. Three consecutive quarterly rate hikes in the U.S. may be too brisk a pace, and we believe that pace will have to slow down.

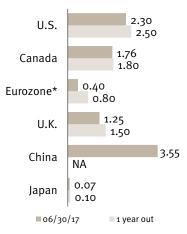
Regional highlights

United States

• The Fed delivered its fourth rate hike since 2015 to bring the Fed Funds rate to a 1.00%–1.25% range. But with economic data—particularly for inflation—hitting a soft patch in recent months, the Treasury yield curve has flattened, although after hitting its 2017 low around just 2.14%, the 10-year yield finished June at 2.30%. Flat yield curves may be, in

Global fixed income

10-year rate (%)



* Eurozone utilizes German Bunds Source - RBC Investment Strategy Committee, RBC Capital Markets, Global Portfolio Advisory Committee part, a sign of the market's waning economic optimism, and are perhaps enough to give the Fed pause when debating further rate hikes this year. We see few catalysts on the horizon that might send the 10-year yield higher, with any curve steepening likely to come from lower yields at the front end should the Fed ease off the rate hike throttle.

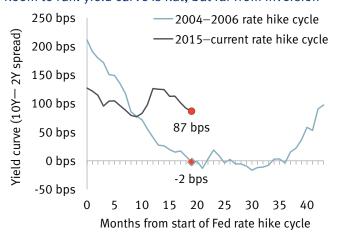
- Opportunities in credit markets have been few and far between as tight credit spreads and low Treasury yields have drained corporate bond markets of yield. High-yield market valuations have become increasingly rich this year, but another pullback in oil prices has sparked some selling pressure. However, we remain cautious and continue to recommend increased quality, where A-rated corporates still carry an average yield of 2.90%, compared to just 4.10% for BB-rated corporates, a historically low yield advantage.
- Municipal new issuance continues to lag 2016 and, in our view, a late-summer new supply boost is unlikely. Investor demand is expected to remain strong due to largerthan-expected maturities, early redemptions, and coupon payments. This demand-supply imbalance

should remain supportive of the muni market. We continue to see the best value in the 15- to 20-year part of the muni yield curve.

Canada

- Bank of Canada (BoC) Governor Stephen Poloz and Senior Deputy Governor Carolyn Wilkins shocked the bond market in June by hinting that the central bank may be closer to raising interest rates than investors were expecting. The Canadian Government yield curve flattened, driven by sharp moves higher in the short end with both the 2- and 5-year yields at 2.5-year highs. We continue to remain focused on the headwinds to the economy including the record high level of household debt and a strong reliance on the housing market as constraints to how quickly the BoC can realistically raise rates. Accordingly, we would view the move higher in short yields as an opportunity to invest in short-dated bonds at more attractive yields.
- Investment-grade credit spreads remain close to their tightest levels in three years in Canada. We continue to recommend investors think about upgrading credit quality within portfolios and ensure they are being

Room to run: yield curve is flat, but far from inversion



The yield curve had already inverted in 2005, 19 months into the Fed rate hike cycle; '08 recession would follow two years later.

Source - RBC Wealth Management, Bloomberg; data as of 6/28/17

Global fixed income

Short-term Canadian yields look attractive



The move higher in short yields is an opportunity to invest in short-dated bonds.

Source - RBC Wealth Management, Bloomberg; data as of 6/28/17

adequately compensated for risks taken. We continue to like Maple bonds which exhibit diversification benefits.

• The preferred share market performed well in June thanks to resilient credit spreads and higher government bond yields. We continue to see better opportunities in preferred shares compared to corporate bonds, but investors should look to tilt portfolios defensively to protect annual price gains.

Continental Europe & U.K.

- The European Central Bank (ECB) kept rates on hold at -0.40% but, noting the improved economic growth, it removed the easing bias to interest rates. Given the absence of inflation, we don't expect any rate rise in the near future. The pattern of the ECB's government bond purchases suggests it is running out of German bonds to buy. Accordingly, we prefer those non-German sovereign issuers which offer positive yields, unlike many of their German counterparts.
- Several events during the month, including the resounding victory by reform-minded French President

Macron in parliamentary elections, the successful resolution of Banco Popular Español's liquidity crisis, and the agreement on the current Greek bailout program all bode well for the corporate bond environment. We think there is still room for the yield premium on European corporate bonds, and in particular for bank debt, to come down further.

- The Bank of England (BoE) left interest rates on hold at 0.25% but turned unexpectedly more hawkish, with three members voting for a rate hike as inflation is at a five-year high. Despite this, we still expect the BoE to stay on hold for the rest of the year given acute political uncertainty and the recent slowdown in the economy.
- The increased chance of a soft Brexit contrasts with the risks of an unstable government, and leaves 10-year gilt yields delicately balanced at around 1% for now. With such low visibility and a slowing economy, we expect a more volatile environment, in particular for issuers within the domestically focused utilities and consumer sectors.

Commodity forecasts

	2017E	2018E
Oil (WTI \$/bbl)	54.50	60.00
Natural Gas (\$/mmBtu)	3.15	3.25
Gold (\$/oz)	1,280	1,300
Copper (\$/lb)	2.65	2.75
Corn (\$/bu)	3.70	4.00
Wheat (\$/bu)	4.52	5.23

Source - RBC Capital Markets forecasts (oil, natural gas, gold, and copper), Bloomberg consensus forecasts (corn and wheat)

Here comes the sun

While oil prices are suffering from a supply glut at present, the greater threat long-term may lie on the demand side. Technology innovation in solar, wind, electric vehicles (EVs), and autonomous driving is poised to change our global energy system and urban transportation.

Renewable energy represents about one-quarter of global power output. Of this, the lion's share is hydro at 70%, while wind and solar represent 16% and 6%, respectively. However, solar costs continue to decline rapidly and solar power has become competitive with the local power grid in many sunny parts of the world. In Chile and the United Arab Emirates, for example, solar developers have contracted for projects below \$0.03/kWh. To put this rate in context, residential customers in many U.S. states pay \$0.10-\$0.20/kWh. The International Energy Agency (IEA) expects solar generation to triple and onshore wind generation to double over the next five years.

With over 750,000 EVs sold worldwide in 2016, there are now over two million EVs on the road globally. Norway leads with market penetration at 29% and the Netherlands is second at 6%. With a global installed base of over one billion gas and diesel vehicles, EVs have a diminutive 0.2% market share. However, accelerated deployment is expected with Honda targeting two-thirds of sales to be electrified vehicles by 2030. The IEA sees potentially 9–20 million EVs on the road by 2020, and 40–70 million by 2025.

A third disruptive force is the advancement and regulatory acceptance of autonomous vehicles (AVs). The RethinkX Project, co-led by author Tony Seba, believes AVs will reshape transportation to a shared ride system, starting first in urban centers, with people moving away from individual car ownership. It sees the U.S. vehicle fleet dropping from 247 million in 2020 to 44 million in 2030, and global oil demand falling from 100 million bbl/day in 2020 to around 70 million bbl/day by 2030.

While the technology is exciting, these changes remain in the very early stage (and in the case of AVs highly speculative) with a pace of development that is difficult to predict with confidence decades into the future. We believe global oil growth continues at a 1%–2% annual pace for a number of years yet.

Global oil demand has

grown at 1.2%-1.6%

per annum over one-,

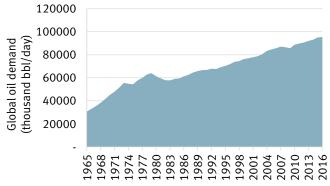
two-, three-, and four-

continues at this pace

for years ahead.

decade time frames. We believe demand growth

Global oil demand



Source - BP plc, RBC Capital Markets, RBC Wealth Management

Mark Allen Toronto, Canada mark.d.allen@rbc.com

Currency forecasts

Currency pair	Current rate	Forecast Jun 2018	Change*
Major curre	encies		
USD Index	95.65	99.97	5%
CAD/USD	0.77	0.74	-5%
USD/CAD	1.29	1.36	5%
EUR/USD	1.14	1.06	-7%
GBP/USD	1.30	1.22	-6%
USD/CHF	0.95	1.05	11%
USD/JPY	112.39	102.00	-9%
AUD/USD	0.76	0.72	-5%
NZD/USD	0.73	0.74	1%
EUR/JPY	128.40	108.00	-16%
EUR/GBP	0.87	0.87	0%
EUR/CHF	1.09	1.11	2%
Emerging o	urrencies	;	
USD/CNY	6.78	7.70	14%
USD/INR	64.57	70.00	8%
USD/SGD	1.37	1.53	12%
USD/PLN	3.70	3.91	6%

^{*} Defined as the implied appreciation or depreciation of the first currency in the pair

Source - RBC Capital Markets, Bloomberg

U.S. dollar

Despite the 0.25% rate hike at the Federal Reserve's June meeting, concerns about slow wage growth and weak price inflation have kept the dollar subdued. We still believe that the continuing tightening of the labour market will eventually feed through into higher wages and prices, and will cause U.S. rate expectations to head higher, carrying the dollar along with them.

Euro

Improved fundamentals and receding regional political risks have brought us to soften our long-standing bearish stance to a more neutral outlook for the single currency. However, widespread slack in the labour market is likely to keep inflationary pressures tempered, allowing the European Central Bank to maintain its accommodative stance. This, in turn, should keep the euro undervalued for now, in our view. Outright bullishness awaits the prospect of higher inflation.

British pound

While the hung parliament following the U.K.'s snap election caused the pound to fall, these losses were reversed by comments from Bank of England officials suggesting that rate hikes could be delivered far earlier than previously thought. Inflation

headed to a high 2.9%, but wage growth remained lacklustre. With consumers' real spending power eroding, we feel comfortable remaining bearish on the pound, given the country's crippling political uncertainty.

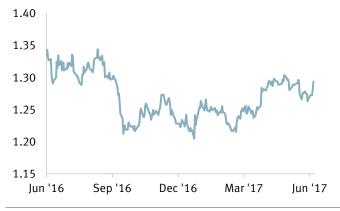
Canadian dollar

Hawkish comments from Bank of Canada Senior Deputy Governor Carolyn Wilkins, supported by Governor Stephen Poloz, have caused a drastic repricing of interest rate expectations in Canada, causing the Canadian dollar to rally strongly. Our neutral outlook for the loonie has been predicated on monetary policy divergence between the U.S. and Canada. If this hawkish tone were to continue, upside risk to the outlook would increase; we remain cautious for now.

Japanese yen

Large speculative short positions on the yen are keeping it undervalued for now. We still look for appreciation over the course of the year. The risk to this view would be major developed market interest rates heading higher. While this is happening in the U.S., the path higher is very gradual, and other developed market economies are likely to be slow to follow, allowing us to continue targeting the yen at 100 per dollar by early 2018.

GBP volatile following election outcome and hawkish BoE



Lower real wages and Brexit uncertainties to keep pound under pressure.

Jack Lodge London, United Kingdom jack.lodge@rbc.com

Source - RBC Wealth Management, Bloomberg; data through 6/28/17

Examples of how to interpret data found in the Market Scorecard.

Key forecasts

United States — Fed confident in economy

FOMC rate hike signaled confidence in economic outlook. Q1 GDP revised higher to 1.4% from 1st est. of 0.7%. Inflation retreating from Fed's 2% target. Hiring slowed, but unemployment rate fell to 4.3%. Home sales slowing due to higher prices, low supply. Retail sales and personal spending subdued in Q2 but expected to reaccelerate in 2nd half.



*Forecast is under review

Canada — Pulling rate hikes forward

April GDP up 0.2% following 0.5% March surge.
Business survey indicates Q2 investment
improvement. House prices surged 3.9% y/y in April
but started slowing in May as restrictive regulations
bite. Bank of Canada's commentary now hawkish. July
rate hike odds at 84%. Strong May hiring but wage
growth stagnant. Retail sales up a strong 1.5% m/m
in April. May core CPI at 1.3%.



Eurozone — Economic growth strengthens

 Q1 GDP revised higher to 1.9% y/y. ECB economic outlook remains positive, but June meeting left rates and asset purchases at current levels. Regional inflationary pressures nonexistent. Services PMIs continue to strengthen. Manufacturing indicators retreated slightly on a y/y basis throughout the region. Employment data improving across the eurozone. Retail sales data accelerated to 2.5% y/y.



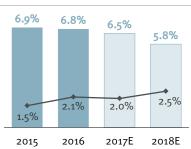
United Kingdom — Economic trade-offs

 GDP growth and inflation moving in different directions. Retail sales failed to build on the strong April, falling 1.2% m/m. Industrial production tepid as Brexit uncertainty weighs. Business investment down 0.8% y/y. Inflation rose 2.9% y/y, fastest pace in 4 years. Bank of England left rates at 0.25%, in split vote as bank weighs weaker growth against rising inflation.



China — Investment cooling

 Producer prices have eased along with commodities, but past increases passed on to consumers, sending CPI up for third straight month to 1.5%. People's Bank of China's deleveraging efforts drove short-term rates higher, inverting yield curve for a record 10 days amidst liquidity concerns. Real estate investment cooling due to gov't restrictions and higher rates. Industrial production and retail sales resilient.



Japan — Hiccup in progress

Q1 GDP revised down to 1.0% from 2.4% on weaker personal consumption and lower inventories. 17.8% y/y jump in imports outweighed strong export demand as trade deficit dragged on GDP. However, real GDP well above Bank of Japan's projected potential growth rate of just 0.7%. BoJ held rates steady at -0.1%, as inflation remains below 2% target at 0.0%.



Market scorecard

Index (local currency)	Level	1 Month	YTD	12 Month
S&P 500	2,423.41	0.5%	8.2%	15.5%
Dow Industrials (DJIA)	21,349.63	1.6%	8.0%	19.1%
NASDAQ	6,140.42	-0.9%	14.1%	26.8%
Russell 2000	1,415.36	3.3%	4.3%	22.9%
S&P/TSX Comp	15,182.19	-1.1%	-0.7%	7.9%
FTSE All-Share	4,002.18	-2.8%	3.3%	13.8%
STOXX Europe 600	379.37	-2.7%	5.0%	15.0%
German DAX	12,325.12	-2.3%	7.4%	27.3%
Hang Seng	25,764.58	0.4%	17.1%	23.9%
Shanghai Comp	3,192.43	2.4%	2.9%	9.0%
Nikkei 225	20,033.43	1.9%	4.8%	28.6%
India Sensex	30,921.61	-0.7%	16.1%	14.5%
Singapore Straits Times	3,226.48	0.5%	12.0%	13.6%
Brazil Ibovespa	62,899.97	0.3%	4.4%	22.1%
Mexican Bolsa IPC	49,857.49	2.2%	9.2%	8.5%
Bond yields	6/30/17	5/31/17	6/30/16	12 mo chg
US 2-Yr Tsy	1.382%	1.282%	0.582%	0.80%
US 10-Yr Tsy	2.304%	2.203%	1.470%	0.83%
Canada 2-Yr	1.103%	0.694%	0.518%	0.59%
Canada 10-Yr	1.762%	1.416%	1.061%	0.70%
UK 2-Yr	0.358%	0.131%	0.099%	0.26%
UK 10-Yr	1.257%	1.046%	0.867%	0.39%
Germany 2-Yr	-0.572%	-0.713%	-0.661%	0.09%
Germany 10-Yr	0.466%	0.304%	-0.130%	0.60%
Commodities (USD)	ъ.			
Commodities (USD)	Price	1 Month	YTD	12 Month
Gold (spot \$/oz)	1,241.55	1 Month -2.2%	7.7%	12 Month -6.1%
Gold (spot \$/oz)	1,241.55	-2.2%	7.7%	-6.1%
Gold (spot \$/oz) Silver (spot \$/oz)	1,241.55 16.63	-2.2% -4.1%	7.7% 4.5%	-6.1% -11.2%
Gold (spot \$/oz) Silver (spot \$/oz) Copper (\$/metric ton)	1,241.55 16.63 5,927.00	-2.2% -4.1% 4.8%	7.7% 4.5% 7.3%	-6.1% -11.2% 22.5%
Gold (spot \$/oz) Silver (spot \$/oz) Copper (\$/metric ton) Uranium (\$/lb)	1,241.55 16.63 5,927.00 20.50	-2.2% -4.1% 4.8% 3.8%	7.7% 4.5% 7.3% 0.6%	-6.1% -11.2% 22.5% -22.6%
Gold (spot \$/oz) Silver (spot \$/oz) Copper (\$/metric ton) Uranium (\$/lb) Oil (WTI spot/bbl)	1,241.55 16.63 5,927.00 20.50 46.04	-2.2% -4.1% 4.8% 3.8%	7.7% 4.5% 7.3% 0.6% -14.3%	-6.1% -11.2% 22.5% -22.6% -4.7%
Gold (spot \$/oz) Silver (spot \$/oz) Copper (\$/metric ton) Uranium (\$/lb) Oil (WTI spot/bbl) Oil (Brent spot/bbl)	1,241.55 16.63 5,927.00 20.50 46.04 47.92	-2.2% -4.1% 4.8% 3.8% -4.7% -4.8%	7.7% 4.5% 7.3% 0.6% -14.3% -15.7%	-6.1% -11.2% 22.5% -22.6% -4.7% -3.5%
Gold (spot \$/oz) Silver (spot \$/oz) Copper (\$/metric ton) Uranium (\$/lb) Oil (WTI spot/bbl) Oil (Brent spot/bbl) Natural Gas (\$/mmBtu)	1,241.55 16.63 5,927.00 20.50 46.04 47.92 3.03	-2.2% -4.1% 4.8% 3.8% -4.7% -4.8% -1.2%	7.7% 4.5% 7.3% 0.6% -14.3% -15.7% -18.5%	-6.1% -11.2% 22.5% -22.6% -4.7% -3.5% 3.8%
Gold (spot \$/oz) Silver (spot \$/oz) Copper (\$/metric ton) Uranium (\$/lb) Oil (WTI spot/bbl) Oil (Brent spot/bbl) Natural Gas (\$/mmBtu) Agriculture Index	1,241.55 16.63 5,927.00 20.50 46.04 47.92 3.03 297.53	-2.2% -4.1% 4.8% 3.8% -4.7% -1.2% 4.7%	7.7% 4.5% 7.3% 0.6% -14.3% -15.7% -18.5% 2.2%	-6.1% -11.2% 22.5% -22.6% -4.7% -3.5% 3.8% -4.2%
Gold (spot \$/oz) Silver (spot \$/oz) Copper (\$/metric ton) Uranium (\$/lb) Oil (WTI spot/bbl) Oil (Brent spot/bbl) Natural Gas (\$/mmBtu) Agriculture Index Currencies	1,241.55 16.63 5,927.00 20.50 46.04 47.92 3.03 297.53 Rate	-2.2% -4.1% 4.8% 3.8% -4.7% -1.2% 4.7% 1 Month	7.7% 4.5% 7.3% 0.6% -14.3% -15.7% -18.5% 2.2% YTD	-6.1% -11.2% 22.5% -22.6% -4.7% -3.5% 3.8% -4.2%
Gold (spot \$/oz) Silver (spot \$/oz) Copper (\$/metric ton) Uranium (\$/lb) Oil (WTI spot/bbl) Oil (Brent spot/bbl) Natural Gas (\$/mmBtu) Agriculture Index Currencies US Dollar Index	1,241.55 16.63 5,927.00 20.50 46.04 47.92 3.03 297.53 Rate 95.6570	-2.2% -4.1% 4.8% 3.8% -4.7% -1.2% 4.7% 1 Month -1.3%	7.7% 4.5% 7.3% 0.6% -14.3% -15.7% -18.5% 2.2% YTD -6.4%	-6.1% -11.2% 22.5% -22.6% -4.7% -3.5% 3.8% -4.2% 12 Month -0.5%
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Easing regulation concerns for biotech companies spurred small-cap outperformance.

Hawkish rhetoric from the Bank of Canada lifted short-term yields.

Crude oil entered bear market territory during the month, falling as much as 22% from its 2017 high.

The Bank of Mexico's four rate hikes in 2017 have elevated the peso as one of the year's top performers, but rate cuts could be on the horizon.

Equity returns do not include dividends, except for the German DAX and Brazilian Ibovespa. Equity performance and bond yields in local currencies. U.S. Dollar Index measures USD vs. six major currencies. Currency rates reflect market convention (CAD/USD is the exception). Currency returns quoted in terms of the first currency in each pairing. Examples of how to interpret currency data: CAD/ USD 0.77 means 1 Canadian dollar will buy 0.77 U.S. dollar. CAD/USD -0.3% return means the Canadian dollar has fallen 0.3% vs. the U.S. dollar during the past 12 months. USD/JPY 112.39 means 1 U.S. dollar will buy 112.39 yen. USD/JPY 8.9% return means the U.S. dollar has risen 8.9% vs. the yen during the past 12 months.

Source - RBC Wealth Management, RBC Capital Markets, Bloomberg; data through 6/30/17.

Research resources

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