

Lisa Emsbo-Mattingly

Director of Research

Asset Allocation Research Team

Fidelity Investments



How We Combine Our Economic Views with an Asset Allocation Process

Multi-Time Horizon Asset Allocation Framework



HORIZONS

Secular

(10-30 years)

Business Cycle

(1-10 years)

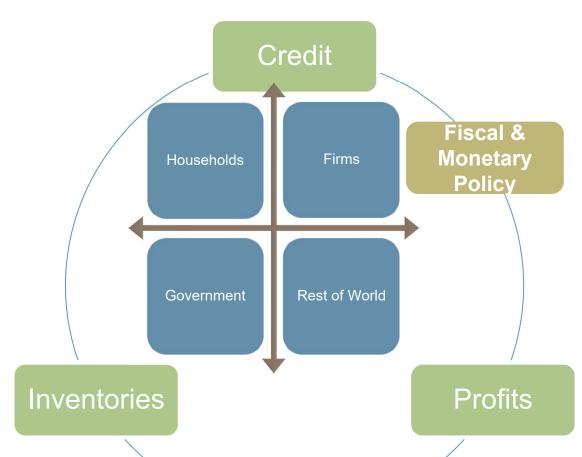
Tactical

(1–12 months)





Business Cycle Modeling Process

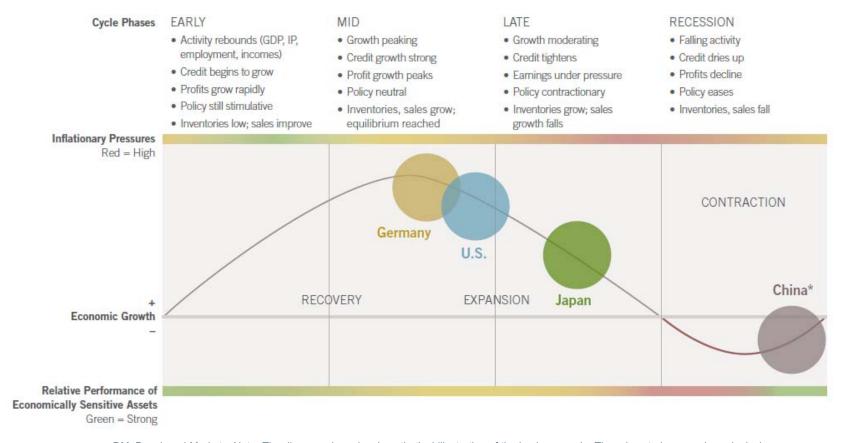


- Econometric models to measure probability of cycle phases
- High-quality, timely, leading indicators customized by country
- Three major cycles + policies are primary drivers



Business Cycle: DMs Lead in Slow, Uneven Environment

Business Cycle Framework

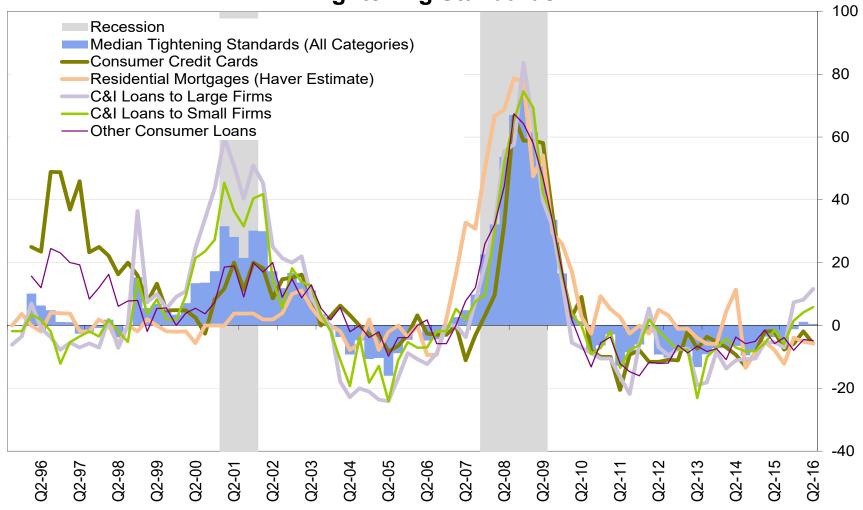


DM: Developed Markets. Note: The diagram above is a hypothetical illustration of the business cycle. There is not always a chronological, linear progression among the phases of the business cycle, and there have been cycles when the economy has skipped a phase or retraced an earlier one. *A growth recession is a significant decline in activity relative to a country's long-term economic potential. We have adopted the "growth cycle" definition for most developing economies, such as China, because they tend to exhibit strong trend performance driven by rapid factor accumulation and increases in productivity, and the deviation from the trend tends to matter the most for asset returns. We use the classic definition of recession, involving an outright contraction in economic activity, for developed economies. Source: Fidelity Investments (AART), as of 5/1/16.



US Credit Cycle Begins to Turn

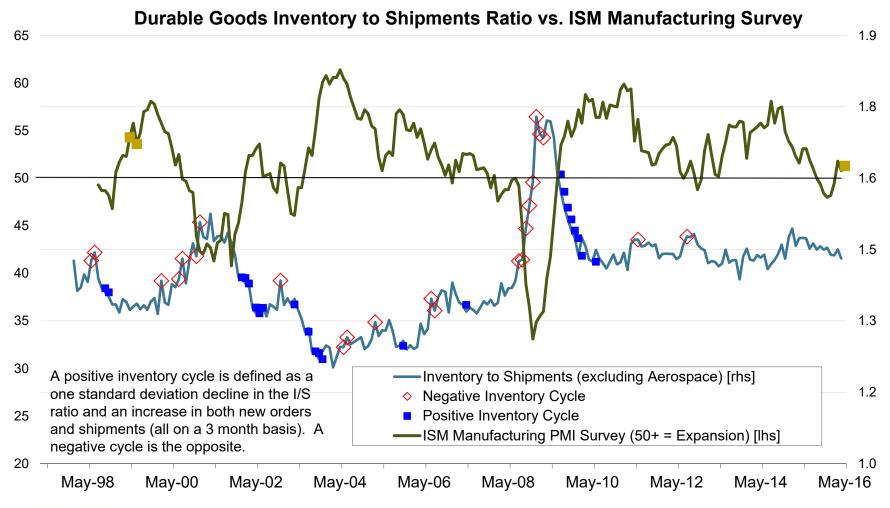
Federal Reserve Senior Loan Officer Survey: % of Banks Tightening Standards



Source: Federal Reserve, Fidelity

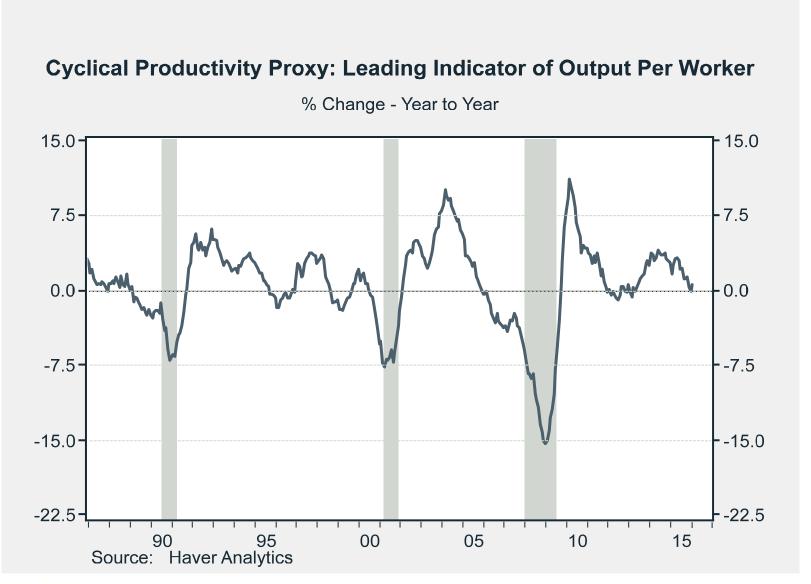


Inventory Cycle Wobbles But Begins to Stabilize



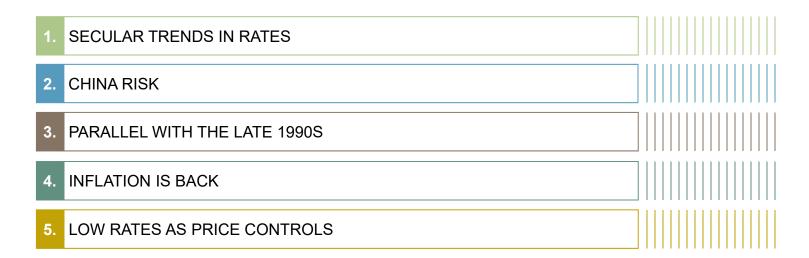


Cyclical Productivity Indicates Corporate Profits More Challenged



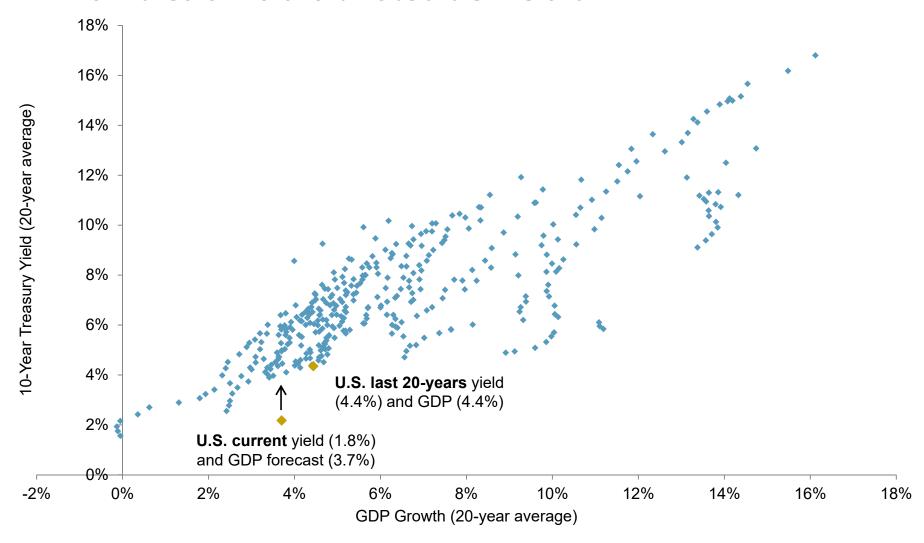


5 Key Topics for the Markets and Economy



Key Topic #1: Secular Trend in Rates

Nominal Government Bond Yields and GDP Growth

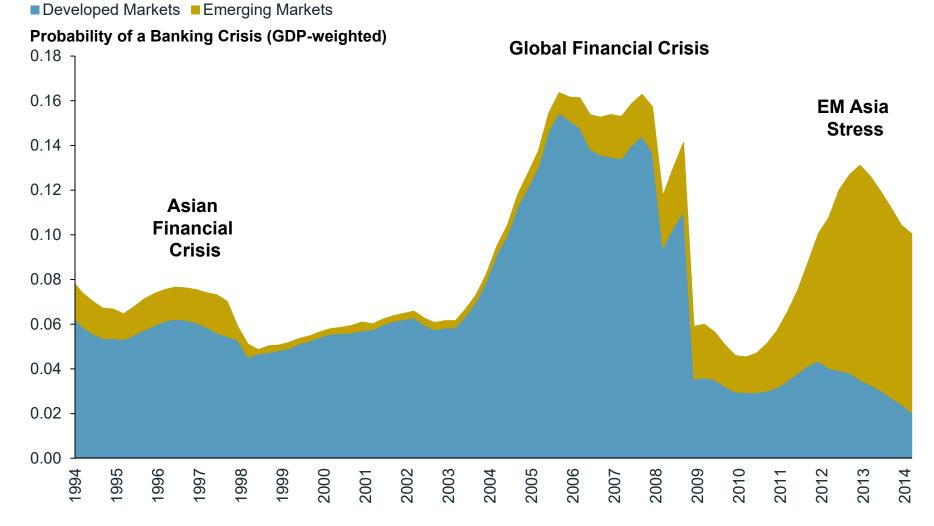




Key Topic #2: China Risk Remains...

Aggregate Financial Crisis Risk (In Following Three Years)

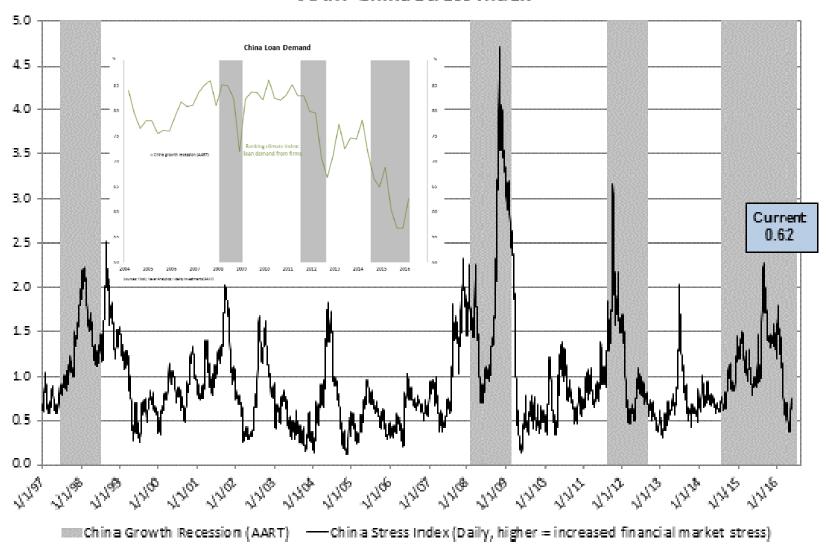
Aggregate i mariolal oriolo itiok (iii i ollowing i inice ie





Key Topic #2: ... But All Quiet For Now

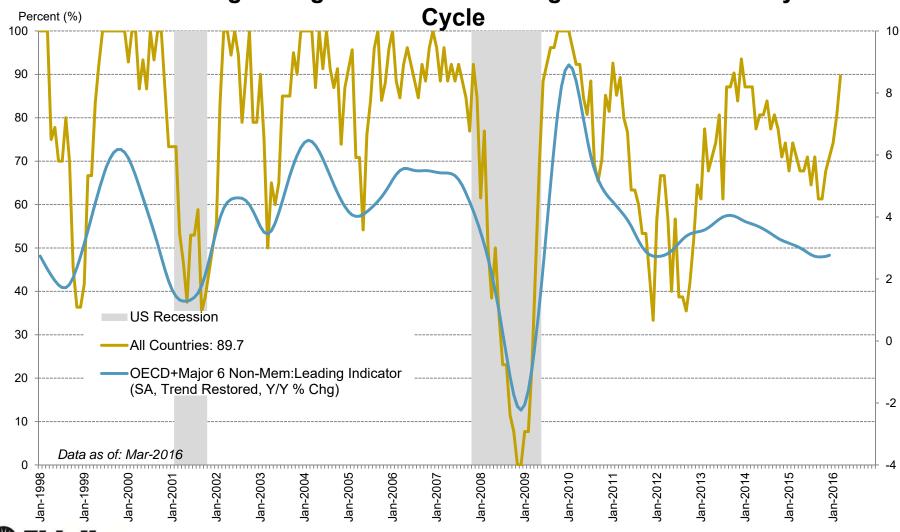
AART China Stress Index





Key Topic #3: Parallels with Late 1990s...

OECD Leading Economic Indicator vs. % of Global Purchasing Managers' Indices Showing a Positive Inventory



Key Topic #2: ...if 2015 Rhymed with 1998, What Will 2016 Look Like?

Periodic Table of Returns

1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016*	Legend
18%	75%	17%	38%	35%	35%	35%	66%	32%	14%	26%	56%	32%	35%	35%	40%	5%	79%	28%	8%	20%	39%	28%	5%	9%	Commodities
17%	33%	8%	37%	23%	33%	29%	34%	26%	8%	10%	47%	26%	21%	33%	16%	-20%	58%	27%	8%	19%	34%	14%	3%	7%	High-Yield Bonds
15%	20%	3%	37%	23%	29%	21%	27%	12%	5%	4%	39%	21%	14%	27%	12%	-26%	37%	19%	4%	18%	33%	13%	1%	6%	Emerging-Market Stocks
15%	19%	2%	30%	22%	24%	20%	24%	8%	2%	-2%	37%	18%	12%	22%	11%	-34%	32%	18%	4%	18%	32%	12%	1%	4%	Real Estate Stocks
11%	19%	1%	28%	22%	22%	14%	21%	-1%	-2%	-6%	31%	17%	7%	18%	7%	-36%	28%	17%	2%	16%	23%	11%	1%	4%	Value Stocks
8%	17%	0%	20%	16%	20%	9%	21%	-3%	-4%	-9%	31%	11%	5%	16%	6%	-36%	27%	16%	2%	16%	19%	6%	0%	3%	Investment-Grade Bonds
8%	10%	-1%	18%	15%	13%	3%	12%	-5%	-4%	-15%	29%	11%	5%	12%	5%	-37%	26%	15%	0%	16%	7%	5%	-4%	2%	60% Large Cap 40% IG Bonds
7%	10%	-2%	15%	11%	10%	-3%	7%	-9%	-12%	-16%	28%	9%	5%	11%	2%	-38%	20%	15%	-4%	15%	3%	3%	-4%	2%	Large Cap Stocks
5%	10%	-2%	15%	6%	2%	-18%	3%	-14%	-20%	-20%	24%	8%	4%	9%	-1%	-38%	19%	12%	-12%	11%	-2%	-2%	-5%	0%	Small Cap Stocks
4%	4%	-3%	12%	6%	-3%	-25%	-1%	-22%	-20%	-22%	19%	7%	3%	4%	-2%	-43%	18%	8%	-13%	4%	-2%	-4%	-15%	0%	Foreign-Developed Country Stocks
-12%	-1%	-7%	-5%	4%	-12%	-27%	-5%	-31%	-21%	-28%	4%	4%	2%	2%	-16%	-53%	6%	7%	-18%	-1%	-10%	-17%	-25%	0%	Growth Stocks



*2016 through 4/30/16. Past performance is no guarantee of future results. Diversification/asset allocation does not ensure a profit or guarantee against loss. It is not possible to invest directly in an index. All indices are unmanaged. Please see appendix for important index information. Asset classes represented by: Commodities – Bloomberg Commodity Index; Emerging-Market – MSCI Emerging Markets Index; Foreign-Developed Country – MSCI EAFE Index; Growth – Russell 3000 Growth Index; High Yield – Bank of America Merrill Lynch U.S. High Yield Index; Investment-Grade – Barclays U.S. Aggregate Bond Index; Large Cap – S&P 500 Index; Real Estate – FTSE NAREIT Equity Index; Small Cap – Russell 2000 Index; Value – Russell 3000 Value Index. Source: Morningstar, Standard & Poor's, Haver Analytics, Fidelity Investments (AART), as of 4/30/16.

Key Topic #4: Inflation is Back

Consumer One-Year Real Wage Expectations

Rising real wage expectations bode well for consumer demand

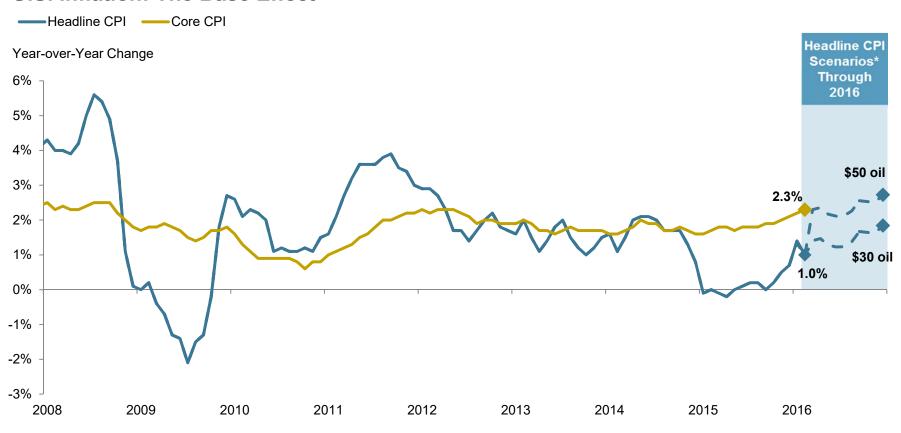




Grey area represents U.S. recession as defined by National Bureau of Economic Research (NBER). Source: University of Michigan, NBER, Haver Analytics, Fidelity Investments (AART), as of Feb. 26, 2016.

Key Topic #4:...Getting in the Fed's Target Range

U.S. Inflation: The Base Effect



^{*}Scenarios assume core CPI and food cost growth rates remain constant and vary only by the cost of oil each month. Source: Bureau of Labor Statistics, Haver Analytics, Fidelity Investments (AART), as of 2/29/16.



16

Key Topic #5: Unintended Consequences of Ultra Low and Negative Rates

Intended Central Bank Goals

Income Effect

Credit Creation

Graceful Deleveraging

Positive Wealth Effect

Bank Lending Up

Currency Down

Consumption Up

Inflation Up

Unintended Consequences

Substitution Effect

Price Controls

Lower Productivity

Inequality and Speculation

1. D

Bank Lending Down

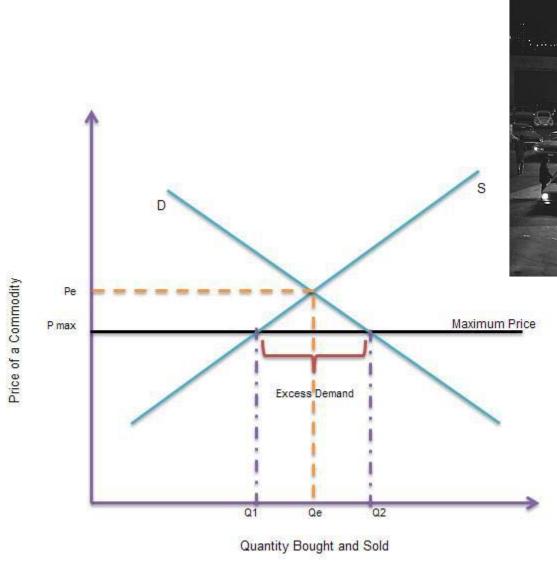
Currency Up

Savings Up

Inflation Down



Key Topic #5: Unintended Consequences of Ultra Low and Negative Rates



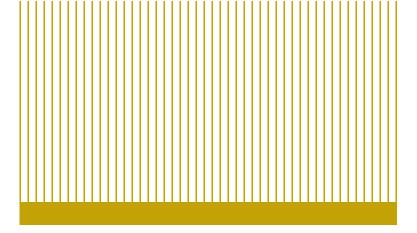


Why Low Rates May Confound Central Banks

- Demographics
- Willingness to Lend
- Productivity



QUESTIONS





Important Information

Information provided herein is for discussion and illustrative purposes only and is not a recommendation or an offer or solicitation to buy or sell any security or for any investment advisory service.

Opinions expressed herein are those of the individual contributor, are subject to change, and do not necessarily represent the views of Fidelity.

Past performance is no guarantee of future results.

758803.1.0

