

The global economic outlook after Brexit

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Brexit implications are now the main risk for the short-term outlook

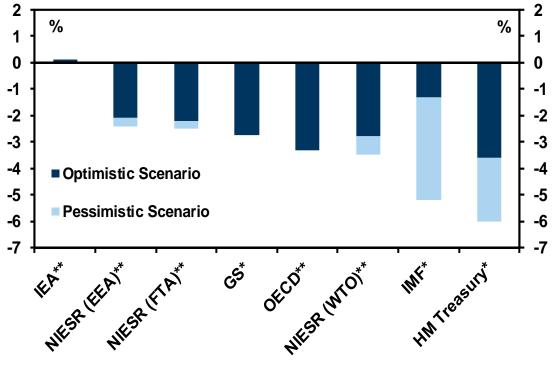
Real GDP Growth										
Baroant Change you	2010	2044	2042	2013	2014	204 E	2016 (f)		2017 (f)	
Percent Change yoy	2010	2011	2012	2013	2014	2015	GS	Revision	GS	Revision
US	2.5	1.6	2.2	1.5	2.4	2.4	1.9	-0.1	2.0	-0.1
Japan	4.7	-0.5	1.7	1.4	0.0	0.5	0.6	0.0	1.0	0.0
Euro Area	2.0	1.6	-0.8	-0.2	0.9	1.5	1.3	-0.2	1.2	-0.3
UK	1.5	2.0	1.2	2.2	2.9	2.3	1.5	-0.5	0.2	-1.8
Sweden	5.7	2.7	0.1	1.2	2.4	3.9	3.4	-0.2	2.6	-0.3
Norway	1.8	1.9	3.6	2.3	2.3	1.0	0.9	-0.2	2.1	-0.3
Switzerland	2.9	1.9	1.1	1.8	1.9	1.5	1.5	0.0	1.5	0.0
China	10.6	9.5	7.7	7.7	7.3	6.9	6.6	0.0	6.4	0.0
Brazil	7.5	3.9	1.9	3.0	0.1	-3.8	-3.1	0.0	1.1	0.0
Russia	4.5	4.0	3.5	1.3	0.7	-3.7	0.5	0.0	3.0	0.0
Developed Markets	3.0	1.8	1.2	1.2	1.9	2.0	1.7	-0.1	1.7	-0.2
Emerging Markets	8.2	7.0	5.4	5.3	4.9	4.2	4.7	0.0	5.3	0.0
World	5.4	4.2	3.2	3.2	3.4	3.1	3.1	-0.1	3.4	-0.2

Source: Goldman Sachs Global Investment Research.



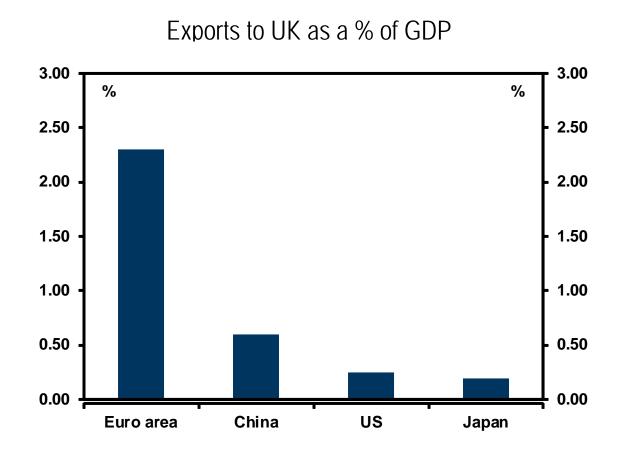
Most studies suggests a significant adverse impact on UK growth

Brexit's peak impact on GDP level



* Peak impact year is 2018 and ** is other.





Source: Haver Analytics, Goldman Sachs Global Investment Research



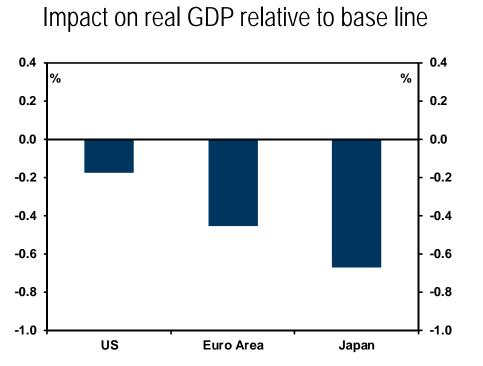
Uncertainty and FCI changes to be the main transmission channels

Changes in key macro variables

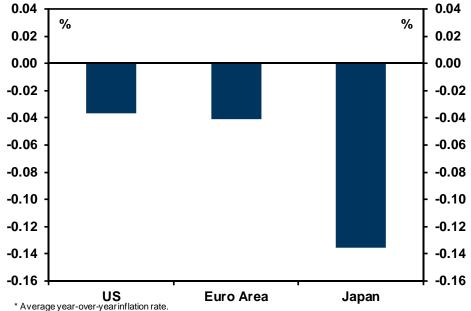
Spillover Simulations						
	Dom. FCI (pp)	TWI (%)	FCI (pp)	GDP (%)	Core CPI (%)*	Policy Rate (pp)
US	0.12	1.28	0.22	-0.17	-0.04	-0.21
Euro Area	0.41	0.18	0.43	-0.45	-0.04	-0.43
Japan	0.37	5.25	0.78	-0.67	-0.14	-0.55
UK	0.59	-6.01	-0.46	-2.51	0.01	-2.68
EM				-0.04		
DM				-0.43		
World				-0.20		

* Average year-over-year inflation rate over the next 8 quarters. Source: Goldman Sachs Global Investment Research.

Impact to be felt most in Japan via FCI tightening

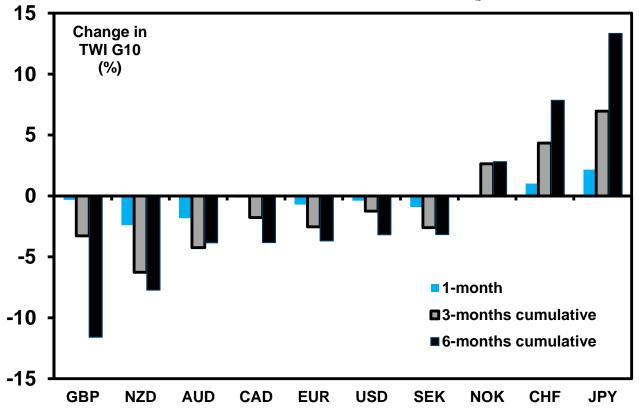


Impact on core inflation relative to base line

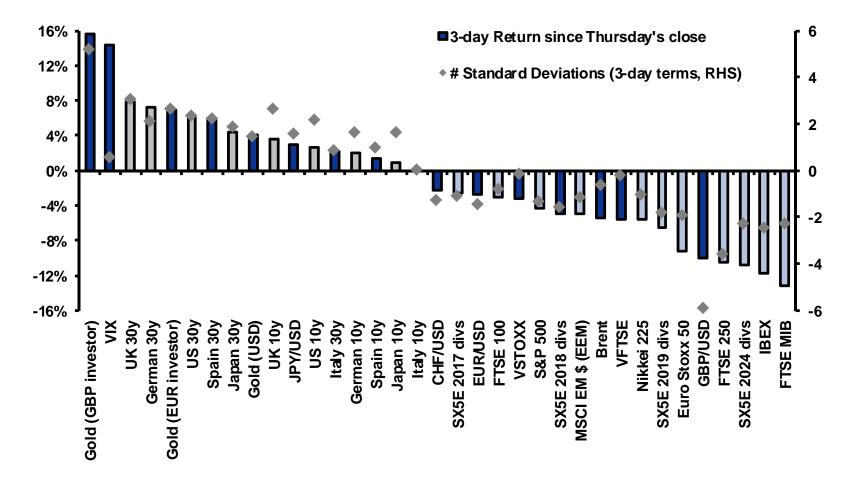


Currency moves in uncertain times

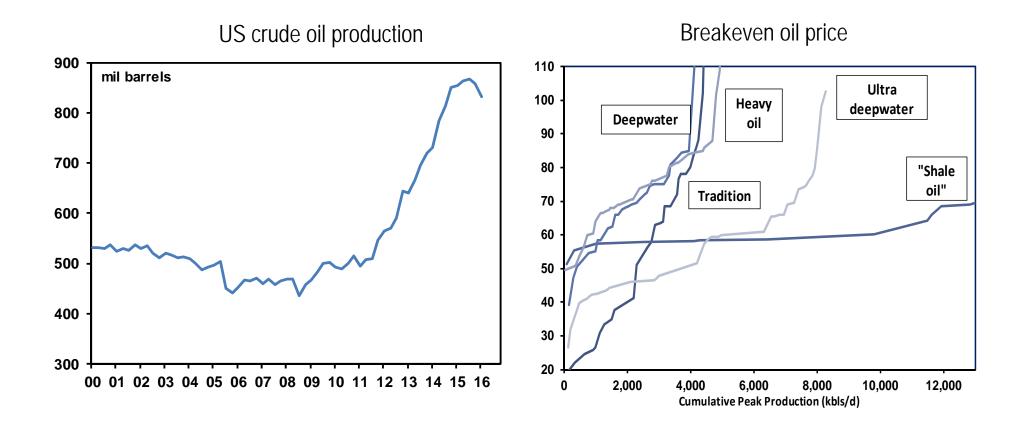
Cumulative impact on trade-weighted G10 nominal exchange rate indices to one st. dev. "uncertainty shock"



Goldman Equities hit hard during the Brexit sell-off

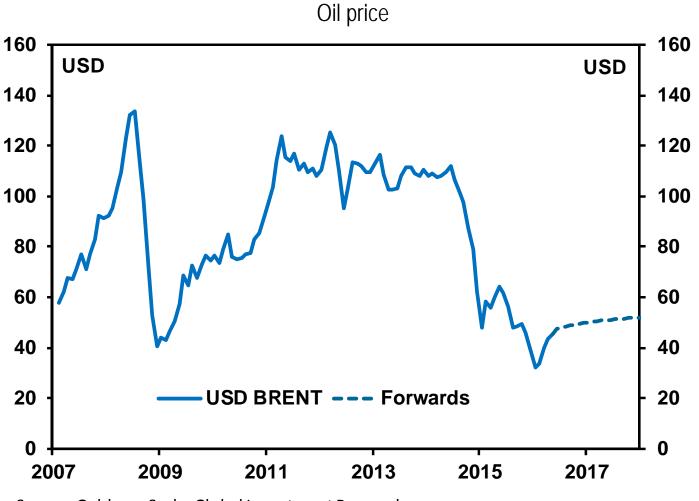


A permanent lower oil price is good news for the Euro area – but it implies some global re-balancing





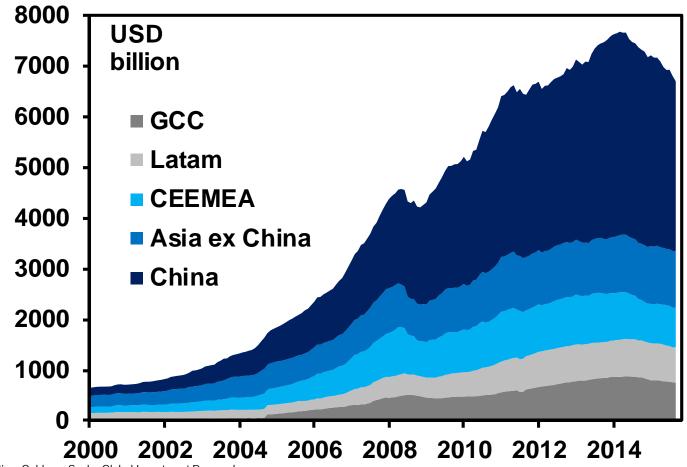
We expect the oil price to stay around the current level



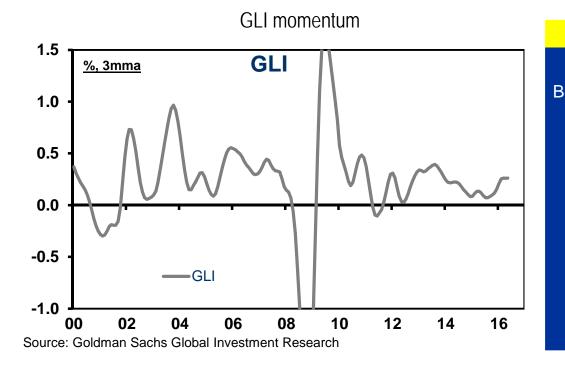
Source: Goldman Sachs Global Investment Research

Low commodity prices and China re-balancing imply lower EM FX reserves

Official sector FX reserves

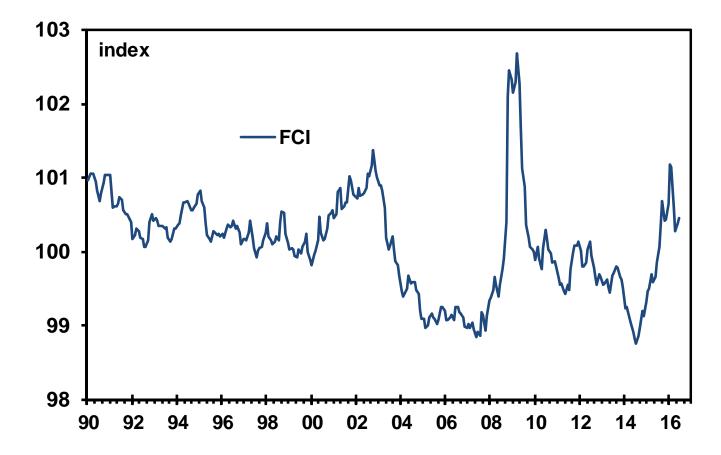


Goldman Goldman Dur Global Leading Indicator is showing – prior to Brexit – rising momentum





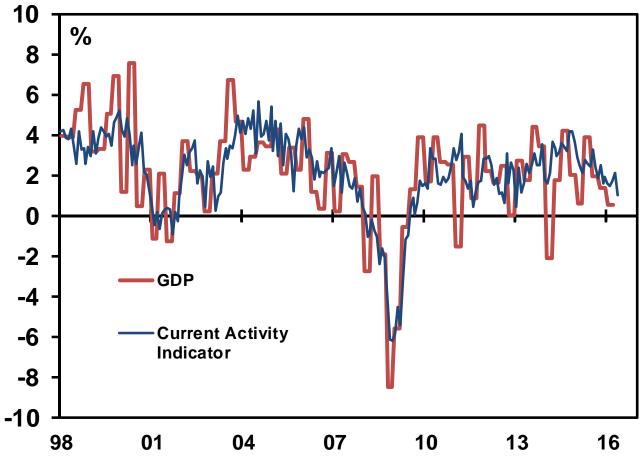
Goldman US: Financial conditions are rising again – postponing the next Fed hike



Source: Goldman Sachs Global Investment Research

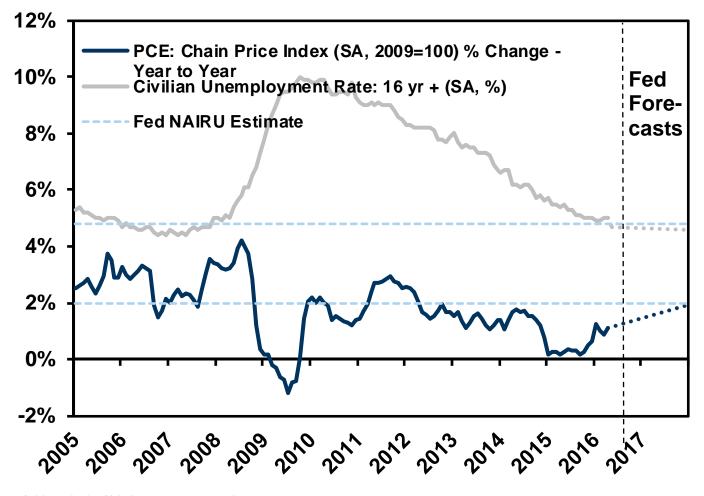


US: Our Current Activity Indicator is easing again



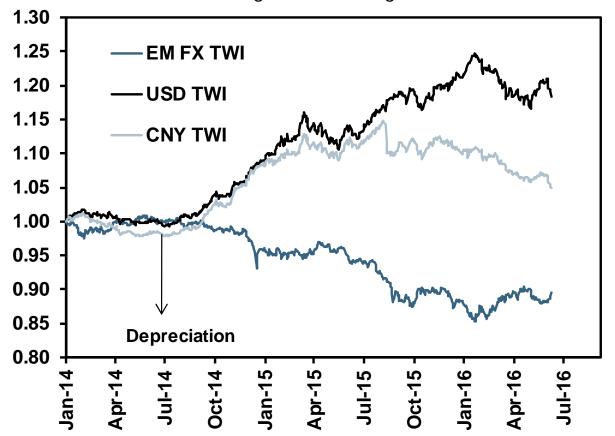
Source: Goldman Sachs Global Investment Research

US: The Fed risks missing out on its mandate



China: CNY to disconnect from US

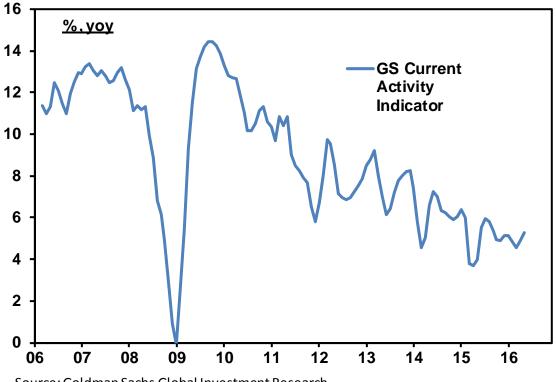
Trade-weighted exchange rates



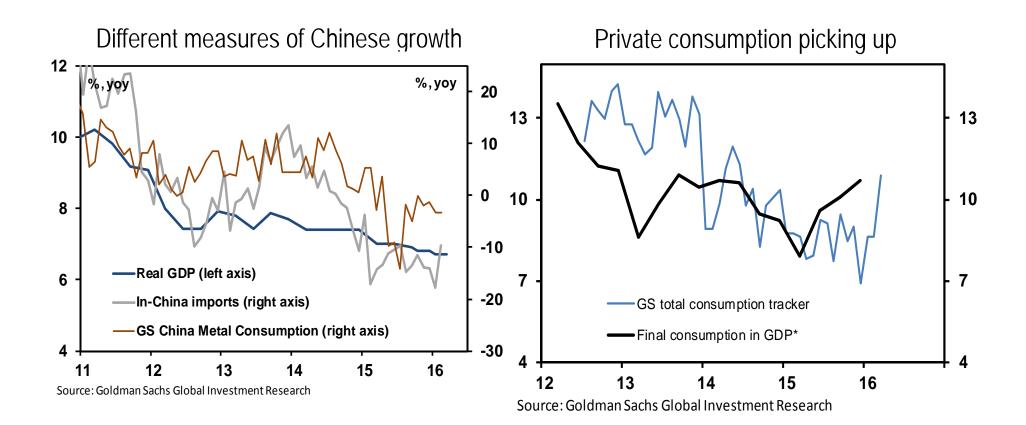
Source: Haver Analytics, Goldman Sachs Global Investment Research

China: Growth keeps trending down

GS Current Activity Indicator

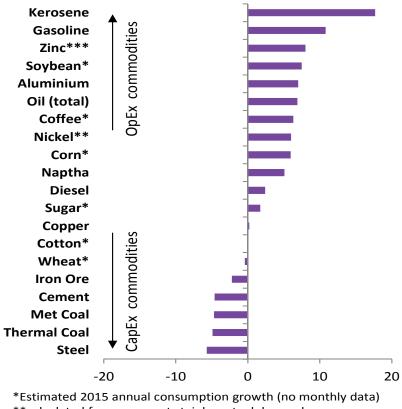


China: A bumpy deceleration



Goldman Sachs China: Breakdown of demand for different commodities points to re-balancing

2015 demand growth of different commodities



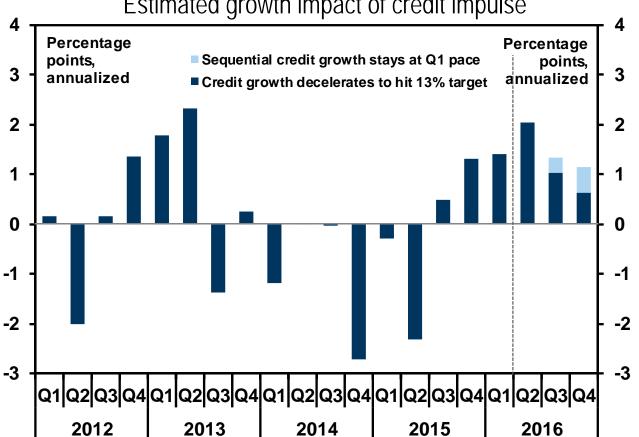
**calculated from apparent stainless steel demand

***calculated from zinc galv. production

Source: Goldman Sachs Global Investment Research



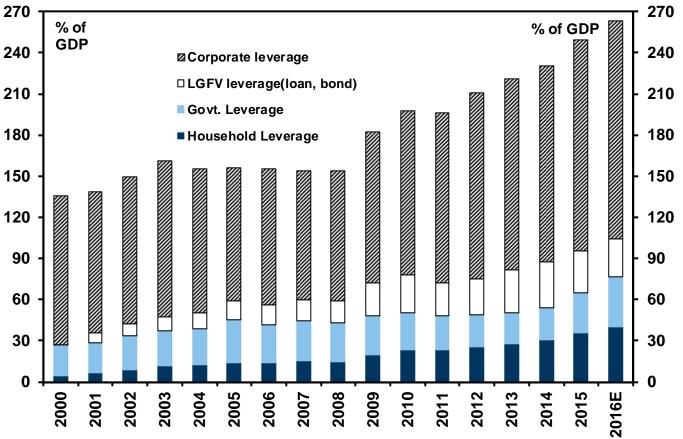
China: Short-term push through credit easing



Estimated growth impact of credit impulse

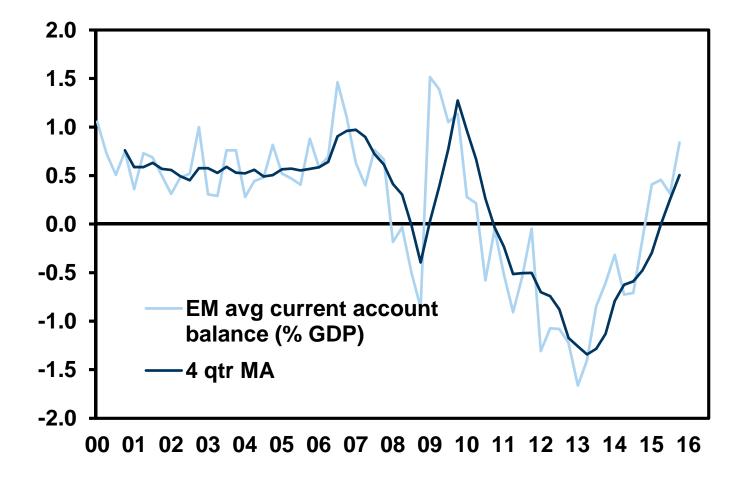
China: The level of debt looks worrying

Indebtedness of different sectors

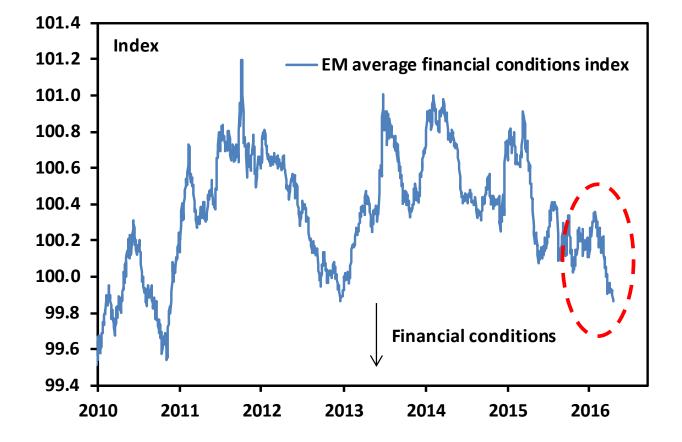




Emerging Markets: Significant improvement of current accounts

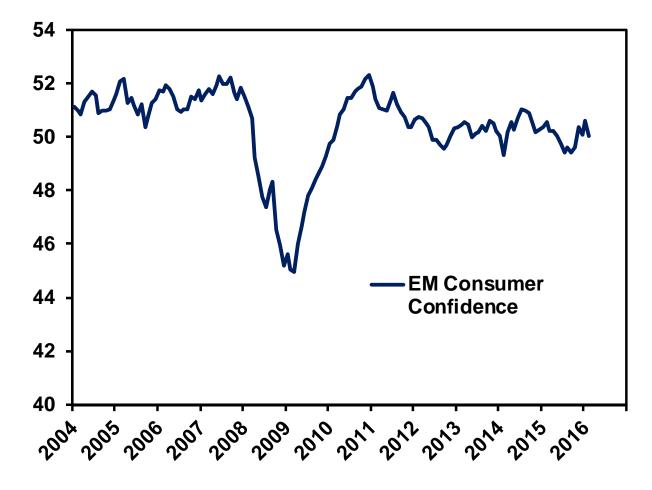


Emerging Markets: Financial Conditions have eased again

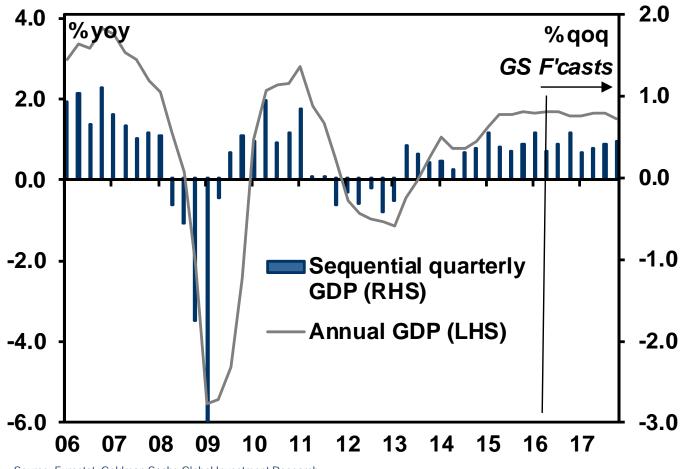


Source: Haver Analytics, Goldman Sachs Global Investment Research

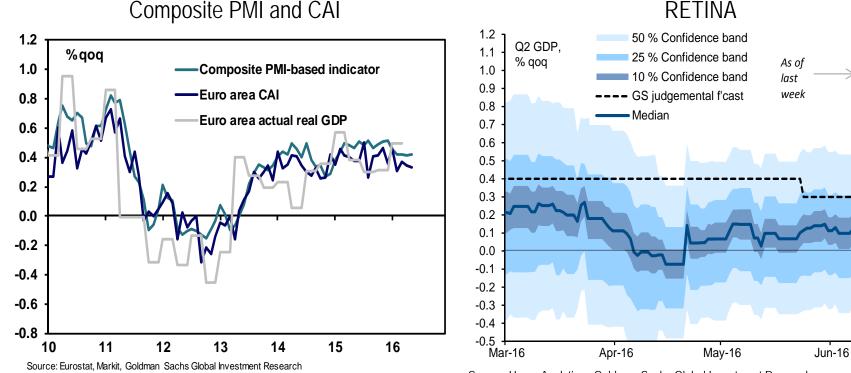
Goldman Emerging Markets: Consumer confidence has stabilised



Euro area: A moderate, but broad based recovery



Goldman Sachs Euro area: Business sentiment remains consistent with solid growth during Q2 – our RETINA model has also rebounded



Source: Haver Analytics, Goldman Sachs Global Investment Research

Eurostat's

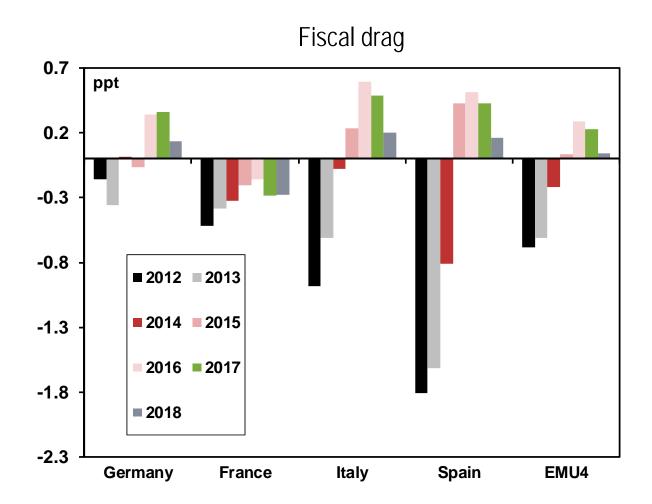
estimate of

Q2 GDP

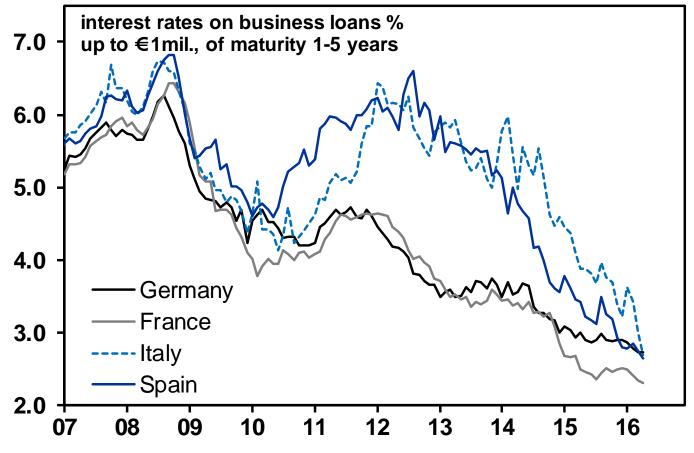
first



Euro area: Less headwind from fiscal consolidation next year



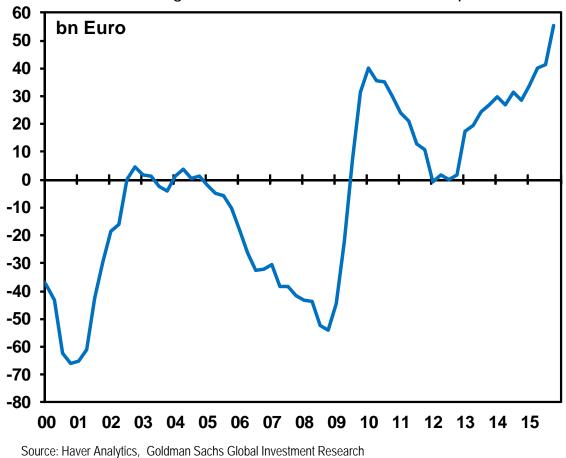
Euro area: Bank lending rates in Spain and Italy have come down significantly



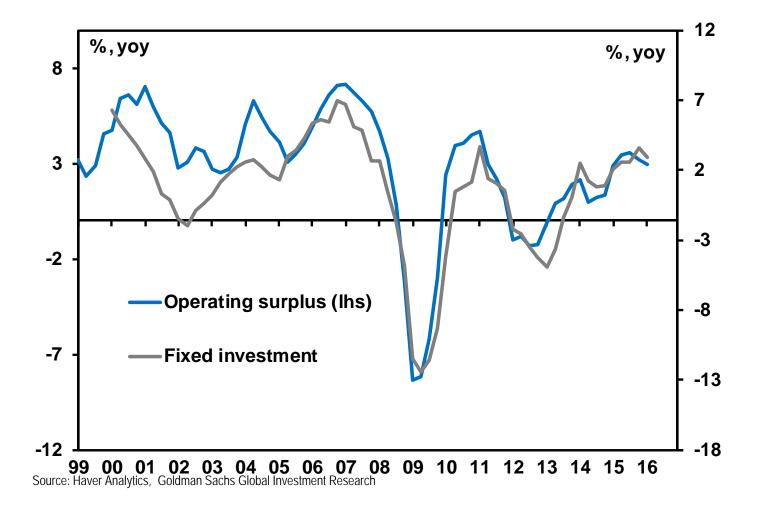
Source: Goldman Sachs Global Investment Research

Goldman Sachs Euro area: Corporates still in deleveraging mood

Net savings of Euro area non-financial corporates

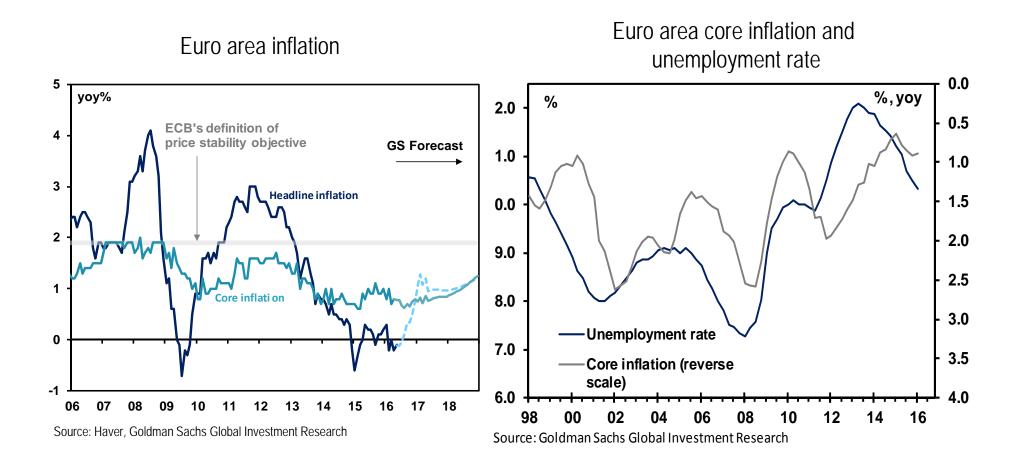


Euro area: Profits growth is supporting investment spending



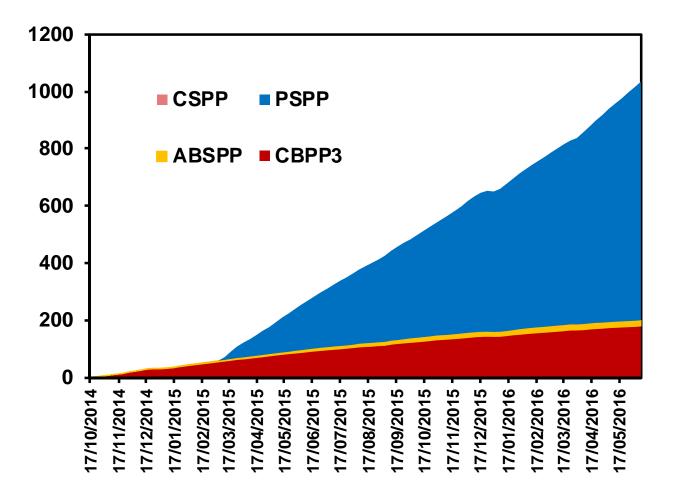


Inflation to rise in H2:2016 as the oil price effect dissipates





Euro area: ECB purchases continue steadily



Euro area: ECB' CSPP – learning by doing

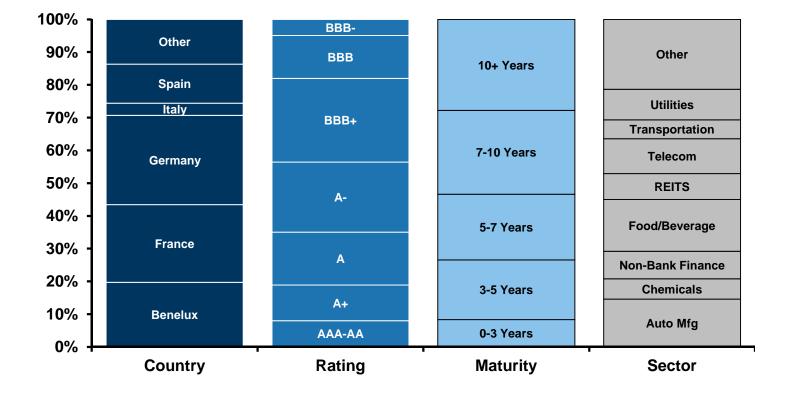
Breakdown of ECB purchases

(in Euro Bn)	Actual	GS Estimates			
(III EUTO BII)	Mar'15-Mar'16	Apr-June'16	July'16 - Mar'17		
Monthly Purchases	60	80	80		
Covered Bonds + ABS	10	8	8		
Corporate Bonds	0	0	7		
PSPP	50.0	72	65		
Supras	6.0	7.2	6.5		
Gov/Agency/Laender	44.0	65	59		
Germany (25.6%)	11.8	16.6	15.0		
France (20.16%)	9.4	13.1	11.8		
Italy (17.5%)	8.1	11.3	10.2		
Spain (12.6%)	5.8	8.2	7.4		

Notes: 1) The numbers in brackets represent the capital key contributions of the countries 2) In the Actuals Column, the numbers denote the average of the monthly purchases under each category

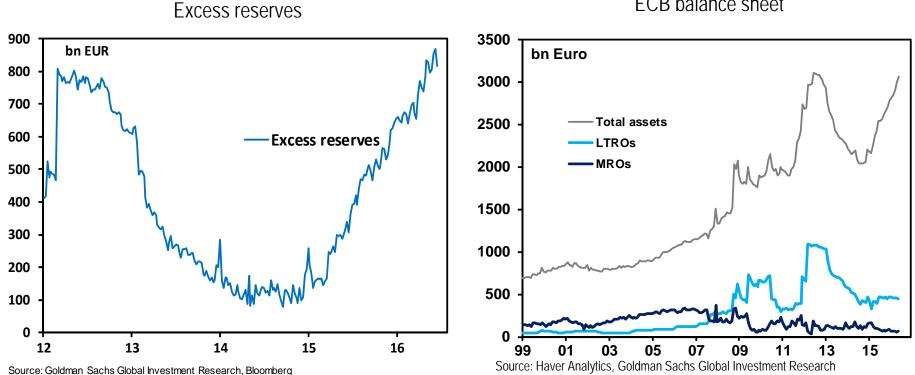
Source: Haver Analytics, Goldman Sachs Global Investment Research

ECB: Breakdown of Euro area corporate bond market



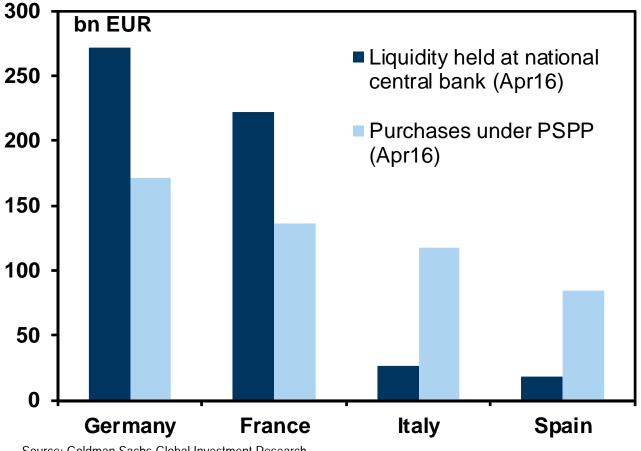
Source: Haver Analytics, Goldman Sachs Global Investment Research



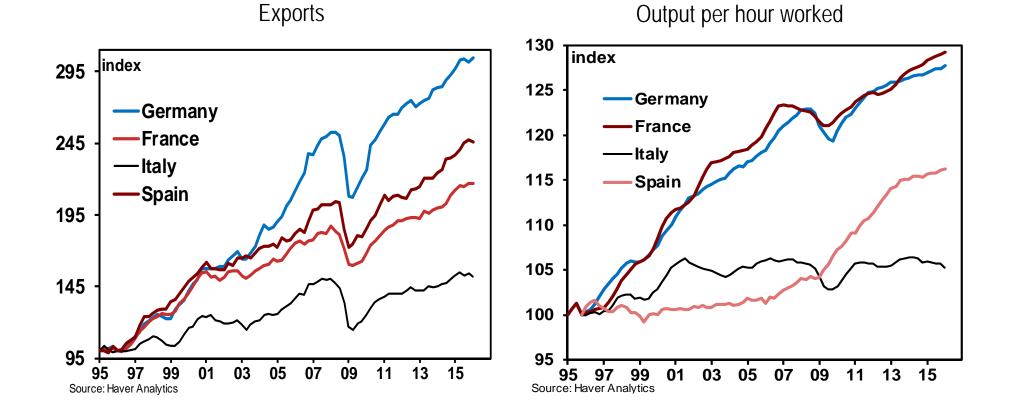


ECB balance sheet

... which is unevenly distributed



Italian export weakness not a new phenomenon – neither is low productivity growth





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