The Australian Economy and Financial Markets

Chart Pack February 2017

RESERVE BANK OF AUSTRALIA

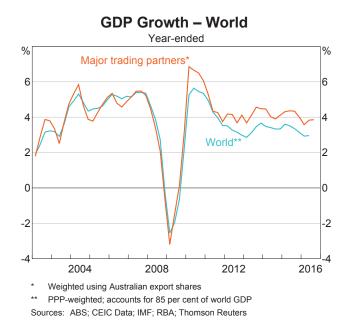
The Australian Economy and Financial Markets

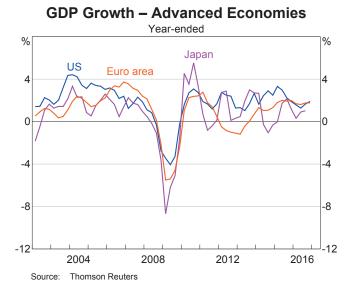
Contents

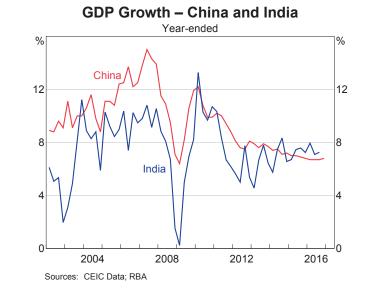
Graphs

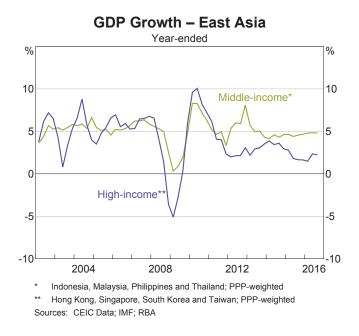
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World Economy



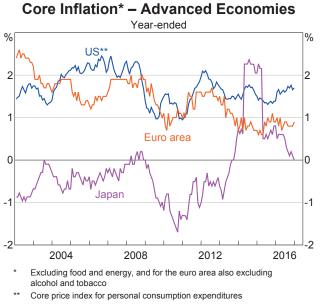






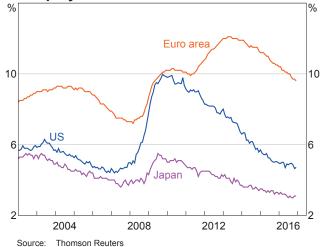


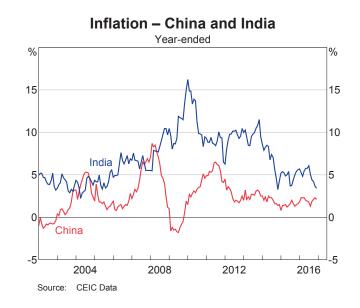
World Economy

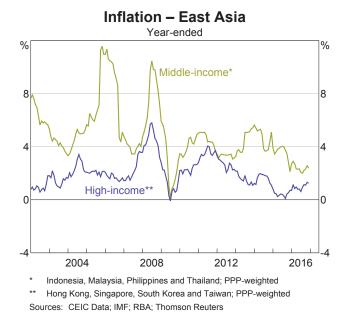


Source: Thomson Reuters

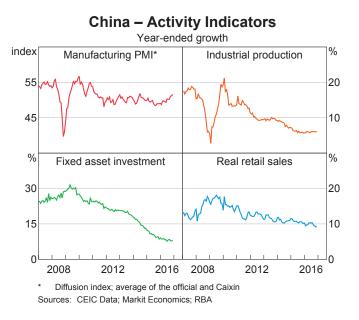
Unemployment Rate – Advanced Economies

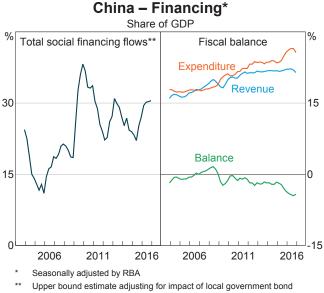






World Economy





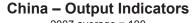
Upper bound estimate adjusting for impact of local government b issuance to pay off debt previously included in TSF

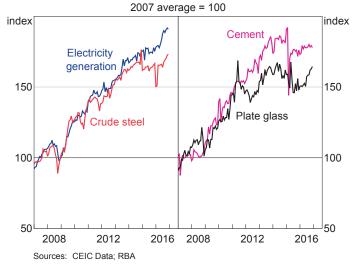




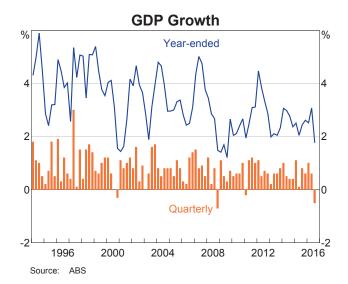
** Investment by developers and other construction companies in the development of residential property, includes land purchases Sources: CEIC Data; RBA

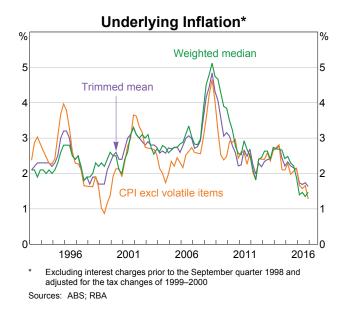


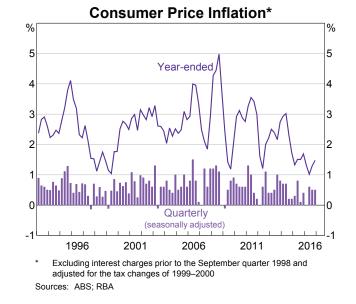




Australian GDP Growth and Inflation





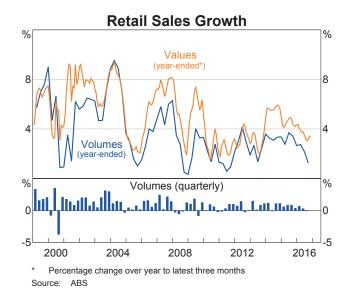


Tradable and Non-tradable Inflation* % Tradables** Year-ended 2 ىلىللىلالىلىلىلان Quarterly (seasonally adjusted) % Non-tradables*** LL_2 -2^l 2016 1996 2001 2006 2011 * Excludes tobacco; adjusted for the tax changes of 1999–2000 ** Excludes volatile items (fruit, vegetables & automotive fuel) *** Excludes interest charges prior to the September quarter 1998, and deposit & loan facilities prior to the September quarter 2011

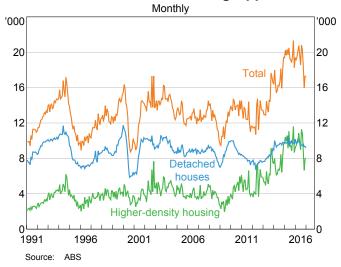
Sources: ABS; RBA

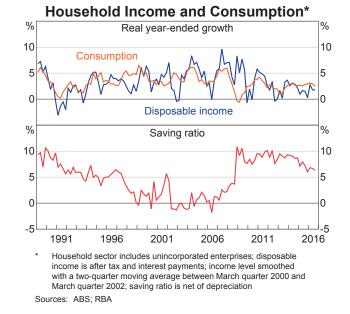
RESERVE BANK OF AUSTRALIA

Household Sector

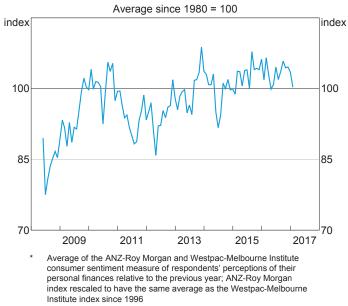


Private Residential Building Approvals



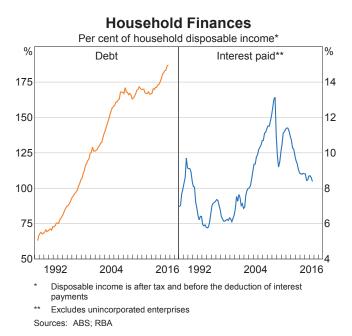


Consumer Sentiment*

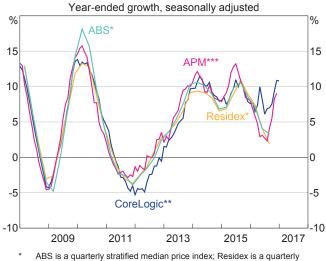


Sources: ANZ-Roy Morgan; RBA; Westpac and Melbourne Institute

Household Sector



Housing Prices

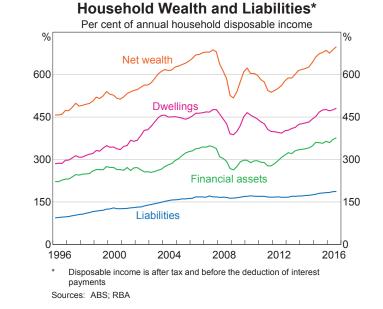


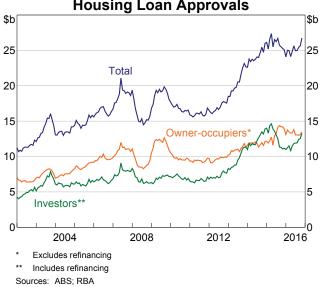
- repeat sales price index
- ** Monthly hedonic price index; series breaks occurred in April 2016 and May 2016 due to changes in methods used to calculate the index



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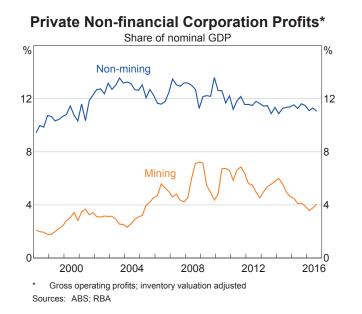
Sources: ABS; APM; CoreLogic; RBA; Residex

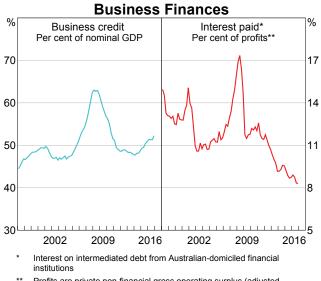




Housing Loan Approvals

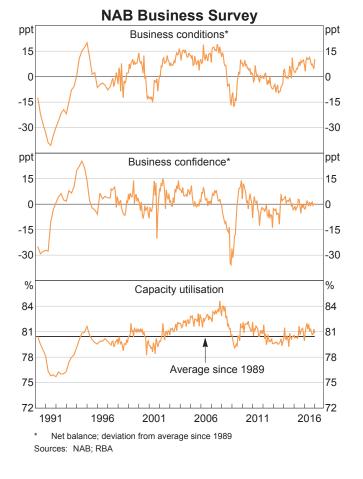
Business Sector





** Profits are private non-financial gross operating surplus (adjusted for privatisations) and gross mixed income

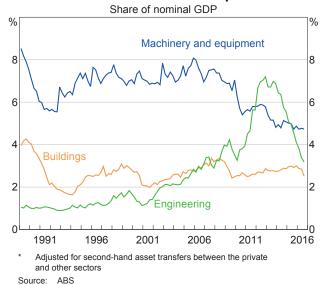
Sources: ABS; APRA; RBA



Business Sector

Business Investment* Share of nominal GDP % % 18 18 16 16 14 14 12 12 10 10 1991 1996 2001 2006 2016 2011 * Adjusted for second-hand asset transfers between the private and other sectors Source: ABS

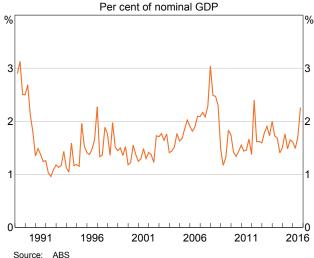
Business Investment Components*





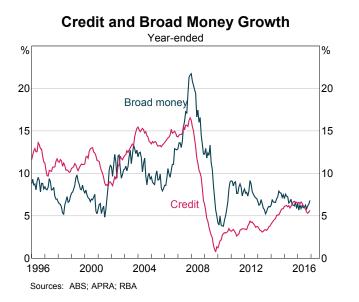
* Sample of firms' spending plans; dots represent the survey's most recent estimates for 2016/17 adjusted for historical realised spending Sources: ABS; RBA

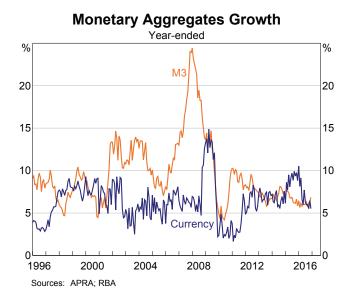
Private Non-residential Building Approvals

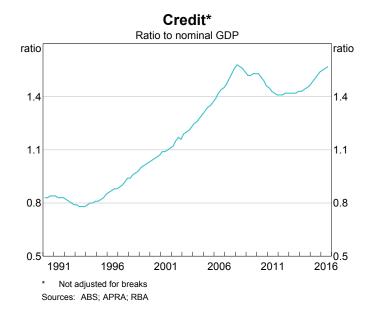


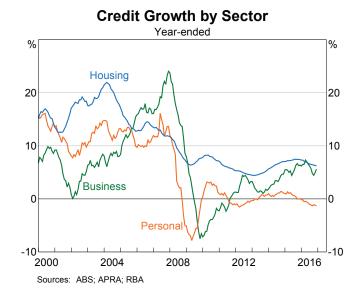
Capital Expenditure – Mining and Non-mining*

Credit and Money

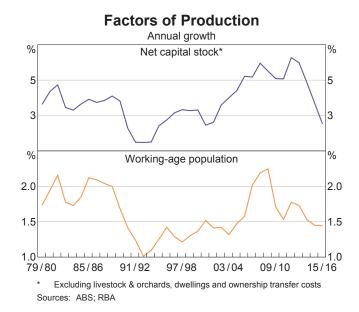








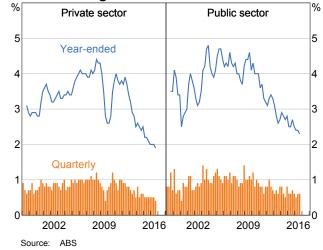
Factors of Production and Labour Market

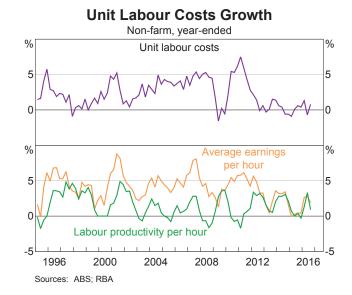


index		index
220		220
200		200
180	Capital-labour ratio	180
160		160
140		140
120	Capital autaut ratio	120
100	Capital-output ratio	100
80 79	/80 85/86 91/92 97/98 03/04 09/10 15/	80 16
*	Capital stock excludes livestock & orchards, dwellings and ownership transfer costs Sources: ABS; RBA	

Conital Dation*

Wage Price Index Growth

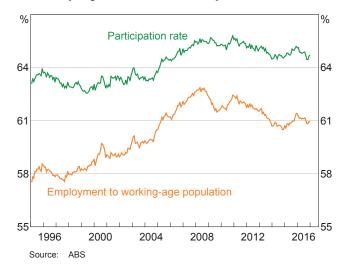


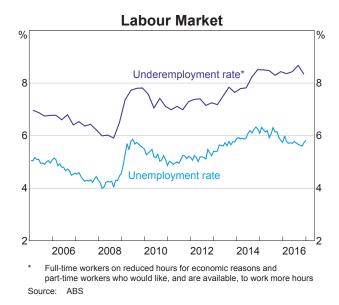


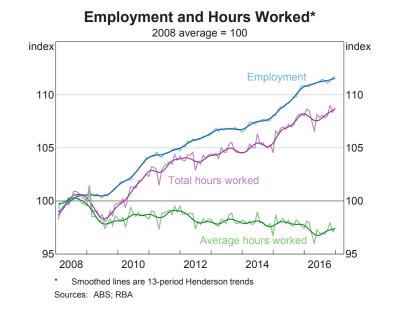
RESERVE BANK OF AUSTRALIA

Factors of Production and Labour Market

Employment and Participation Rates

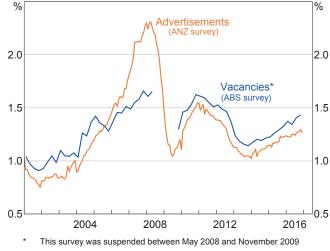






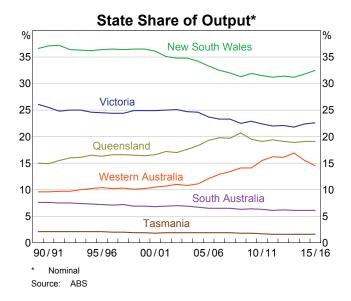
Job Vacancies and Advertisements

Per cent of labour force

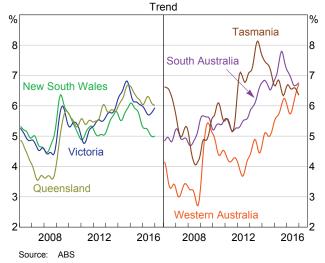


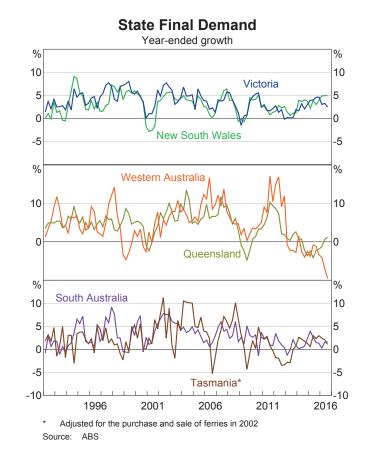
Sources: ABS; ANZ

Regions and Industry

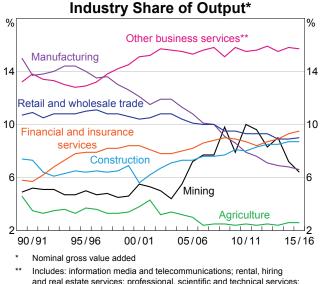


State Unemployment Rates



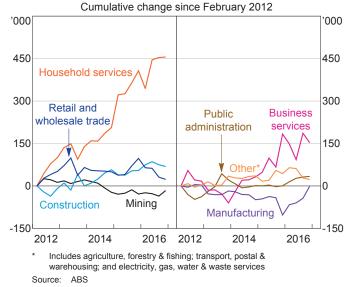


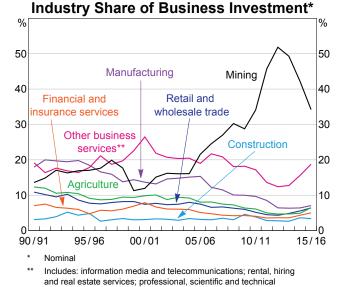
Regions and Industry



and real estate services; professional, scientific and technical services; administrative and support services Source: ABS

Employment Growth by Industry

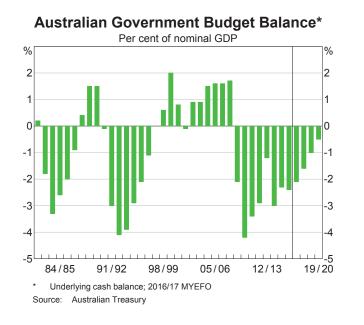




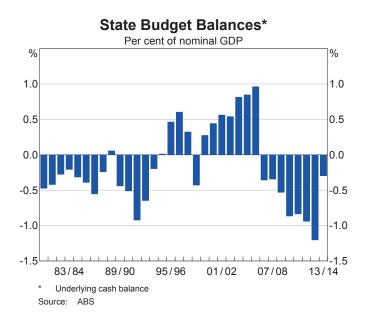
services; administrative and support services

Source: ABS

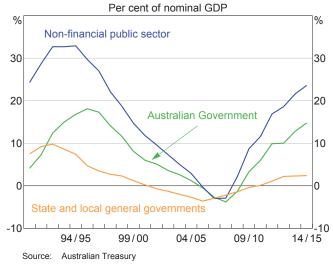
Government



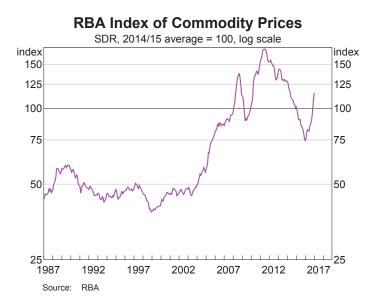
Public Construction Work Done Per cent of nominal GDP % Total 3 3 Engineering Building 0 1996 2006 2011 201Ő 1991 2001 Source: ABS



Non-financial Public Sector Net Debt

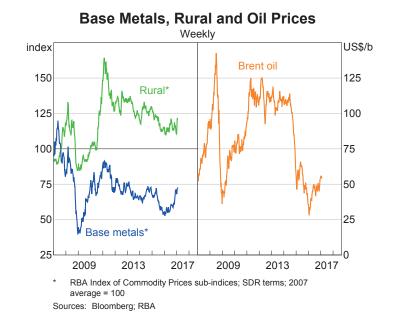


Commodity Prices

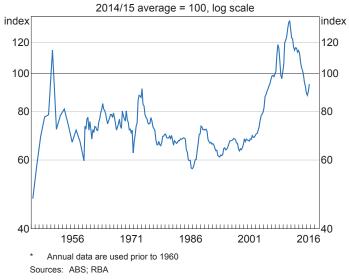


	Duik	Commonly P	nces	
		Free on board basis		
US\$/t	Iron ore (LHS)	Thermal coal (LHS)	Coking coal (RHS)	US\$/t
165	M			350
100	Ma h	Average Australian export price	Spot price*	
120	NM			250
75	ľ l	Wa I	A	150
-	WW	\sim		
30				50
2	011 2014 2017	2014 2017	2014 2017	7
	 Iron ore fines, Newca 	astle thermal coal and pre-	mium hard coking coal	
	Sources: ABS; Bloombe	rg; IHS; RBA		

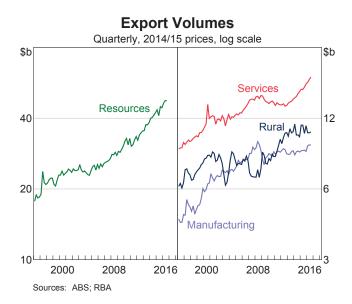
Bulk Commodity Prices

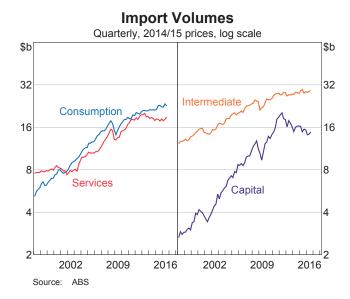


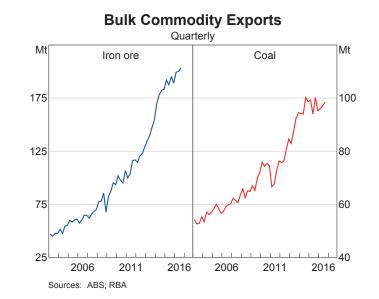
Terms of Trade*

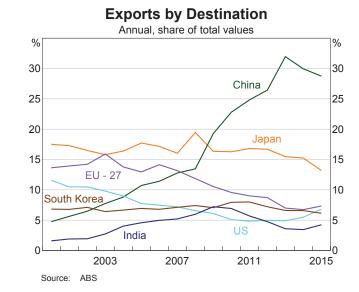


Balance of Payments and External Position



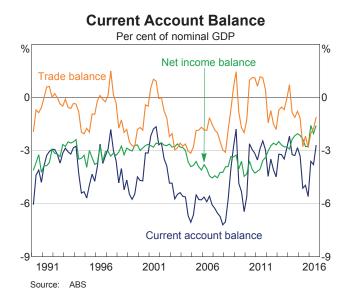


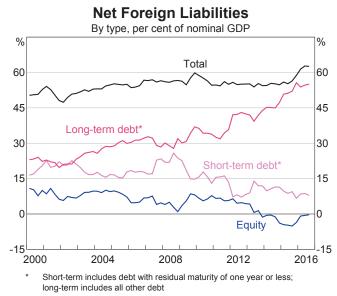




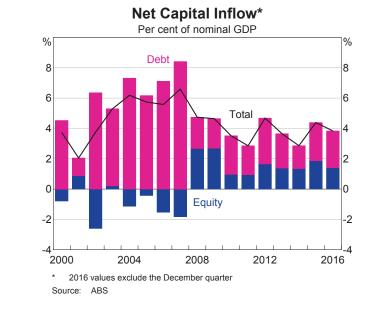


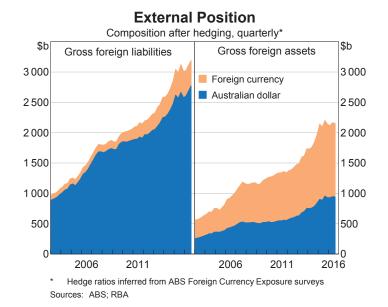
Balance of Payments and External Position

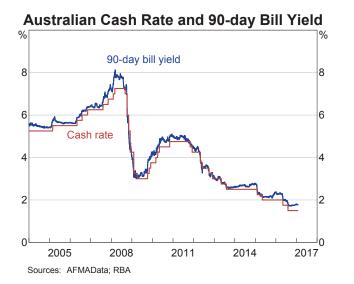


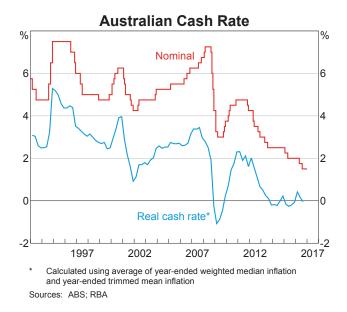


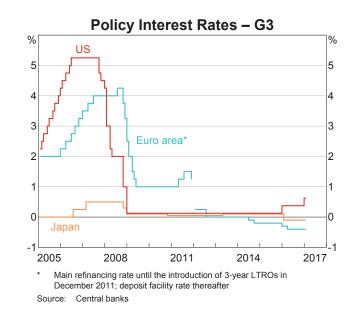
Source: ABS



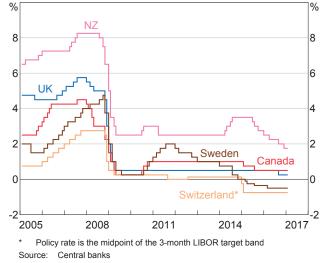


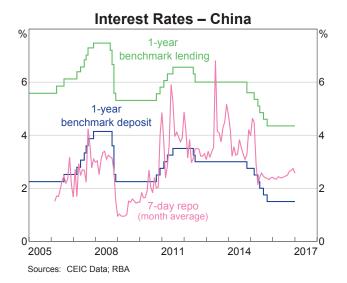




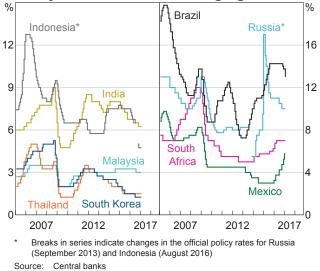


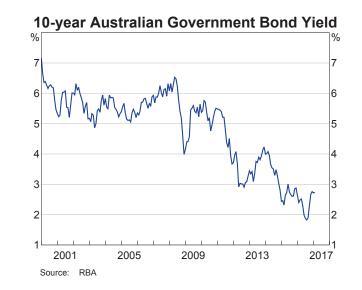


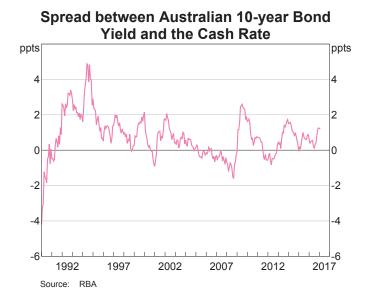




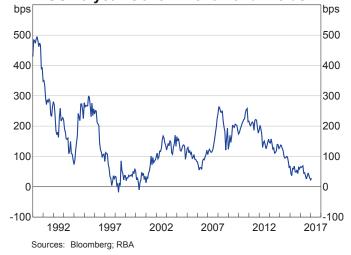


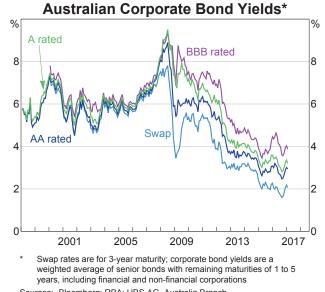






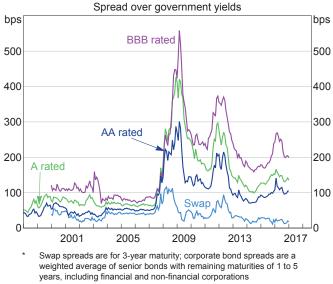
Differential between Australian and US 10-year Government Bond Yields





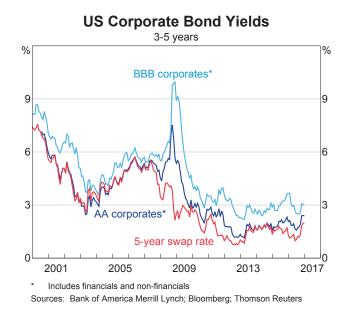
Sources: Bloomberg; RBA; UBS AG, Australia Branch

Australian Corporate Bond Spreads*

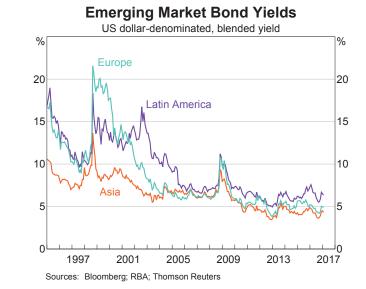


Sources: Bloomberg; RBA; UBS AG, Australia Branch

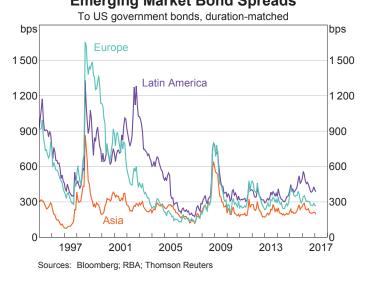
RESERVE BANK OF AUSTRALIA

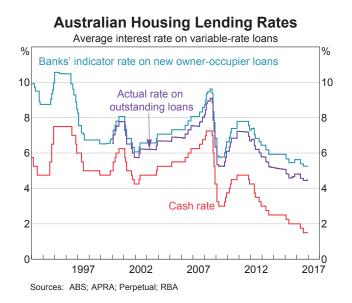


US Corporate Bond Spreads To US government bonds, 3-5 years bps]bps 750 750 BBB corporates* 600 600 450 450 AA corporates* 300 300 150 150 0 5-year swap -150 -150 2001 2005 2009 2013 2017 * Includes financials and non-financials Sources: Bank of America Merrill Lynch; Bloomberg

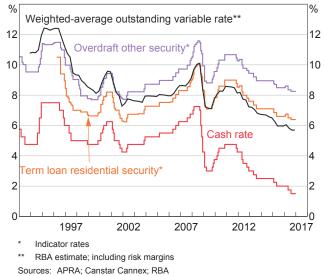


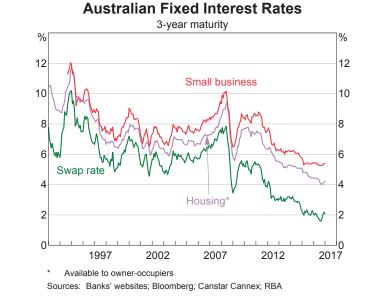




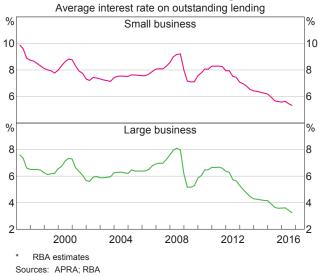


Australian Small Business Interest Rates

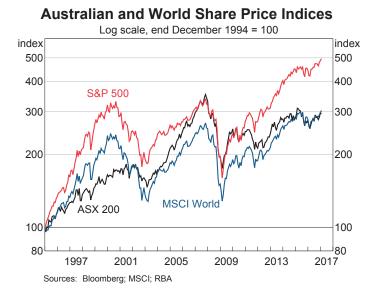


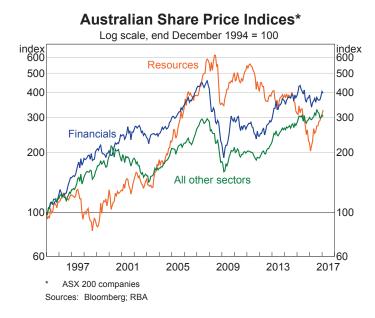


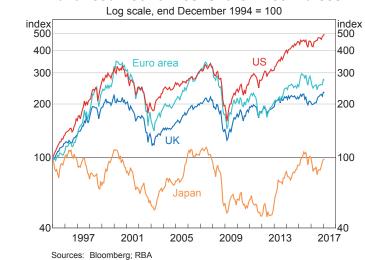
Australian Business Lending Rates*



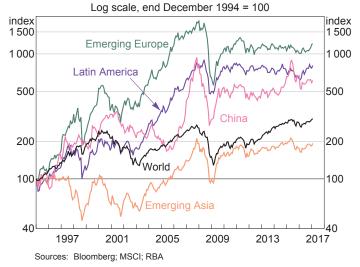
Share Markets





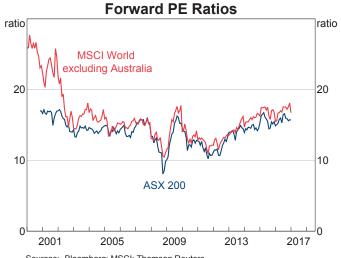


Emerging Markets' Share Price Indices

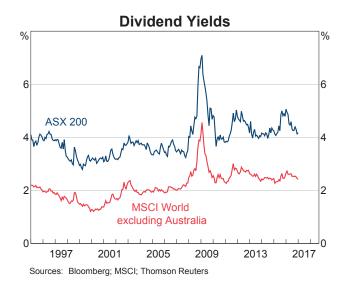


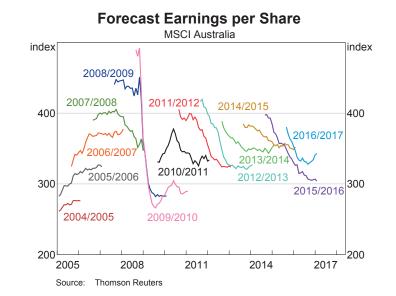
Advanced Economies' Share Price Indices

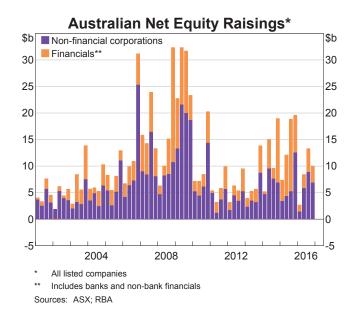
Share Markets



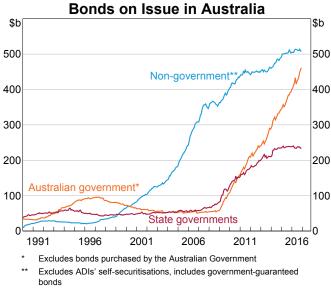
Sources: Bloomberg; MSCI; Thomson Reuters





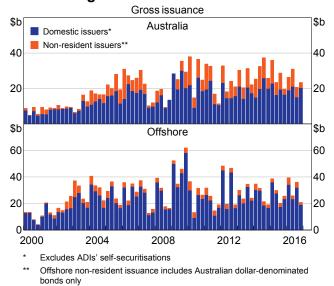


Bond Issuance

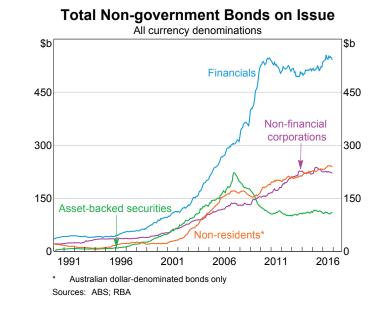


Sources: ABS; AOFM; RBA; State Treasury Corporations

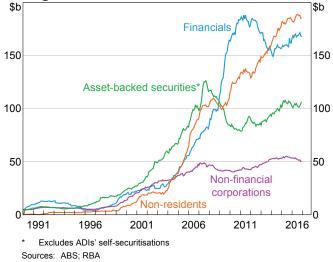
Non-government Bond Issuance



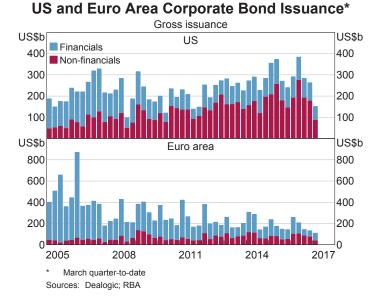
Source: RBA



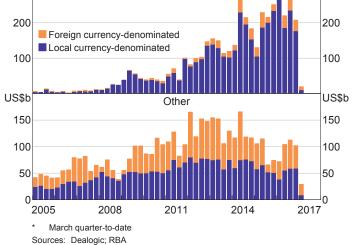




Bond Issuance

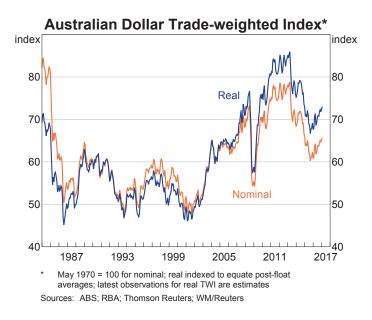


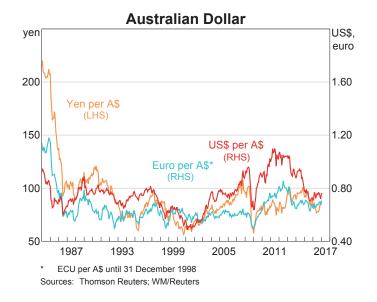
Emerging Market Corporate Bond Issuance* Gross issuance US\$b US\$b China 200

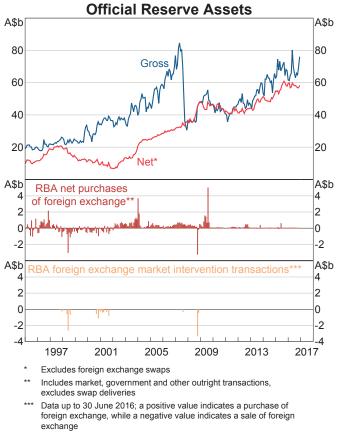


RESERVE BANK OF AUSTRALIA

Exchange Rates

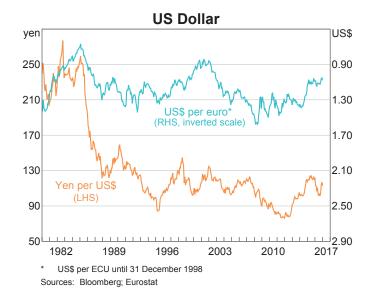


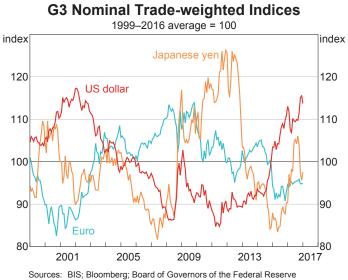




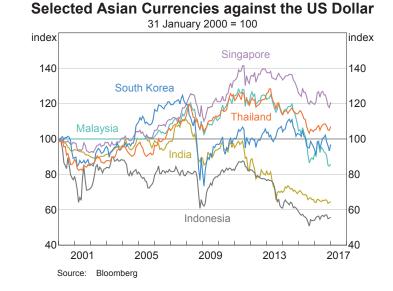
Source: RBA

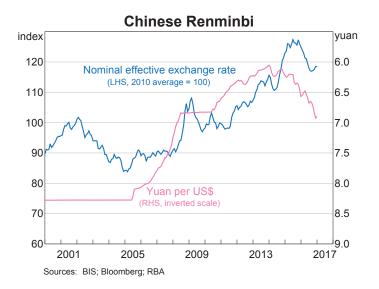
Exchange Rates



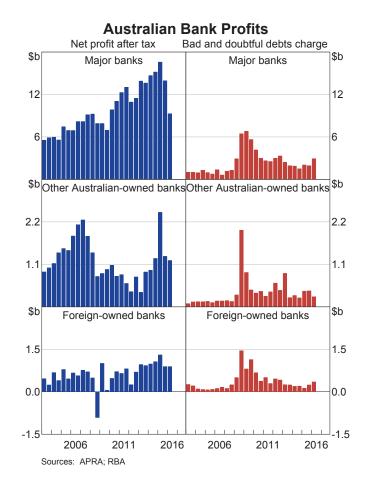


Sources: BIS; Bloomberg; Board of Governors of the Federal Reserve System



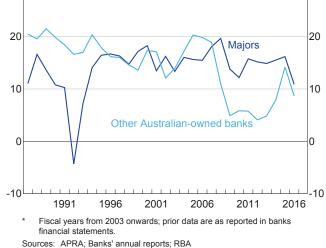


Banking Indicators

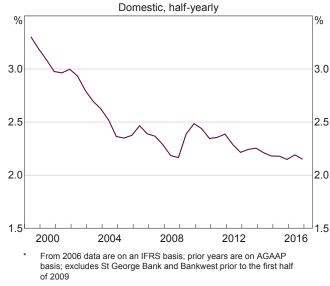


Australian Bank Profitability Return on shareholders' equity after tax and minority interests

%



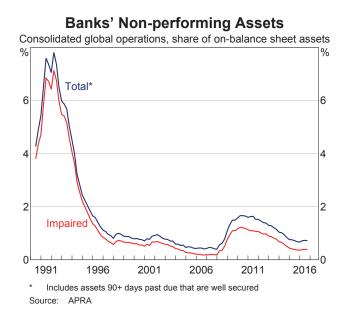
Major Banks' Net Interest Margin*



Sources: Banks' Financial Reports; RBA



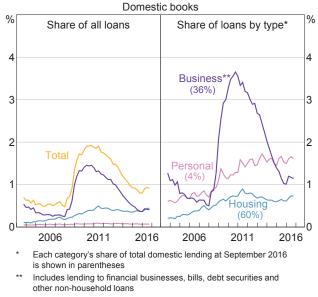
Banking Indicators



Capital Ratios* Consolidated global operations of locally incorporated ADIs % Banks Other ADIs Credit unions 15 15 Total 10 10 **Building societies** Tier Common Equity Tier 5 5 2006 2016 1996 2006 1996 2016 * Per cent of risk-weighted assets; break in March 2008 due to the introduction of Basel II for most ADIs: break in March 2013 due to the introduction of Basel III for all ADIs

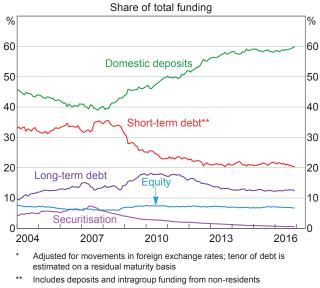
Source: APRA

Banks' Non-performing Assets



Sources: APRA; RBA

Funding Composition of Banks in Australia*



Sources: APRA; RBA; Standard & Poor's