

A bird's eye view of OECD housing markets

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Outline of the presentation

- Recent developments in OECD housing markets
- Drivers of supply and demand
- Housing and the wider economy

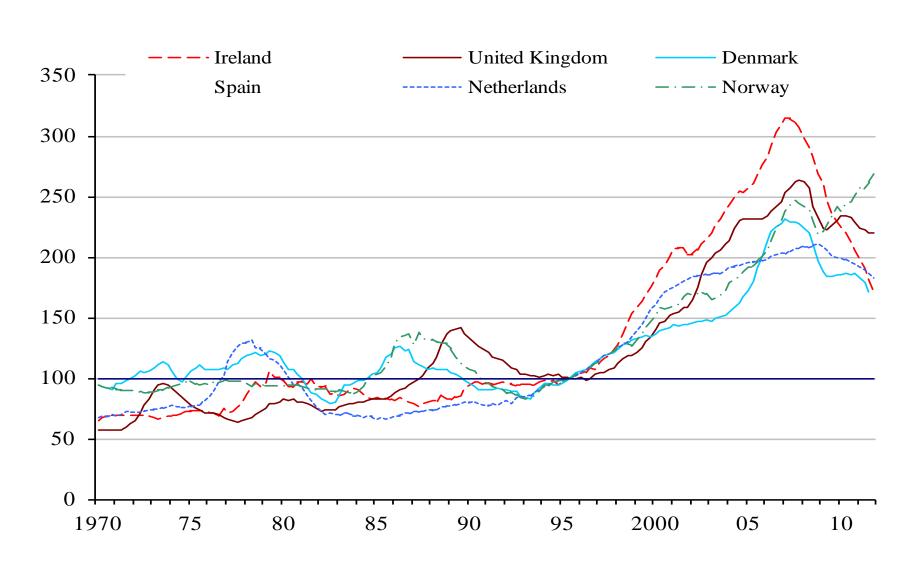


Recent developments in OECD housing markets



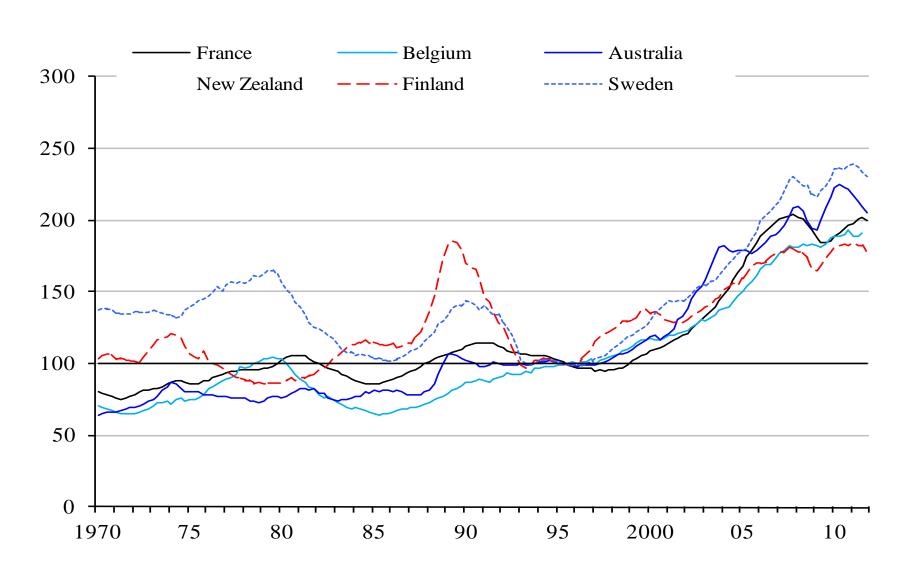
Real house prices

Indices, 1995 = 100



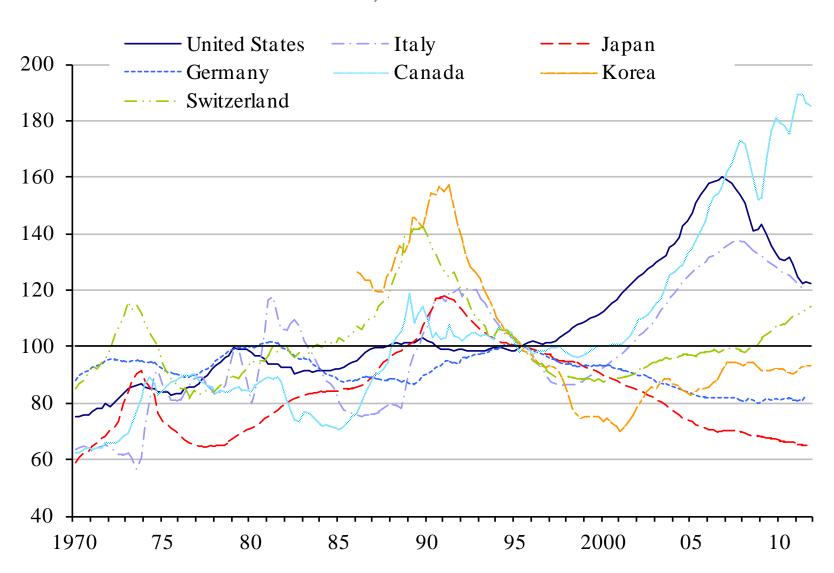


Real house prices (cont.) Indices, 1995 = 100



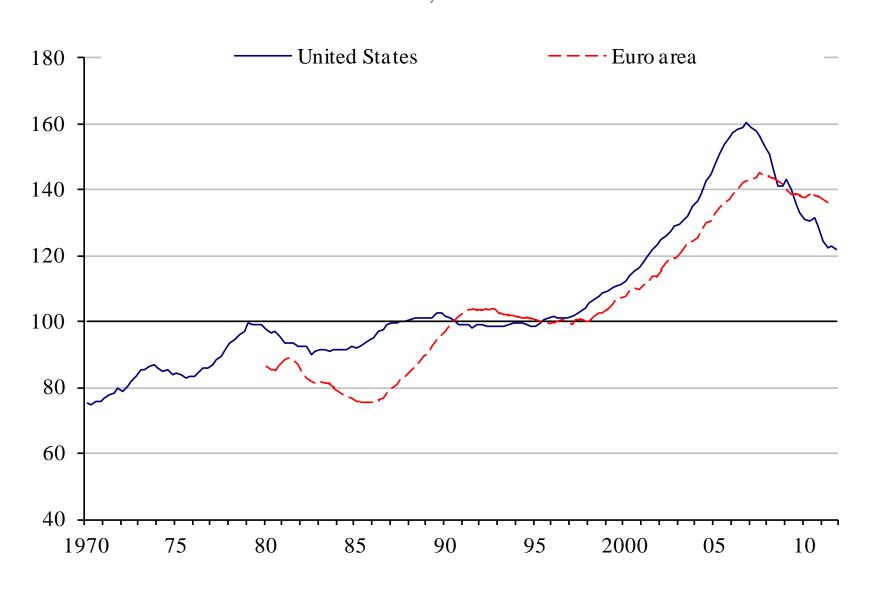


Real house prices (cont.) Indices, 1995 = 100





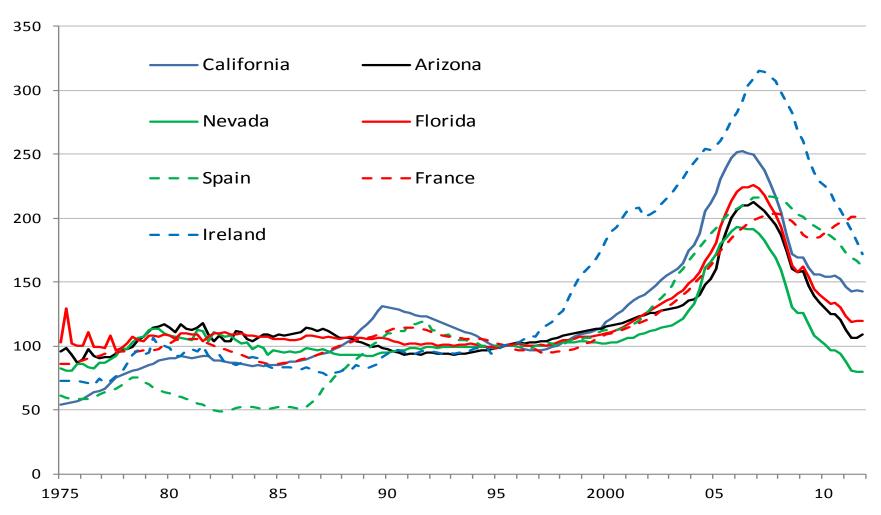
Real house prices in the US and euro area Indices, 1995 = 100





Real house prices in selected US states and euro area countries

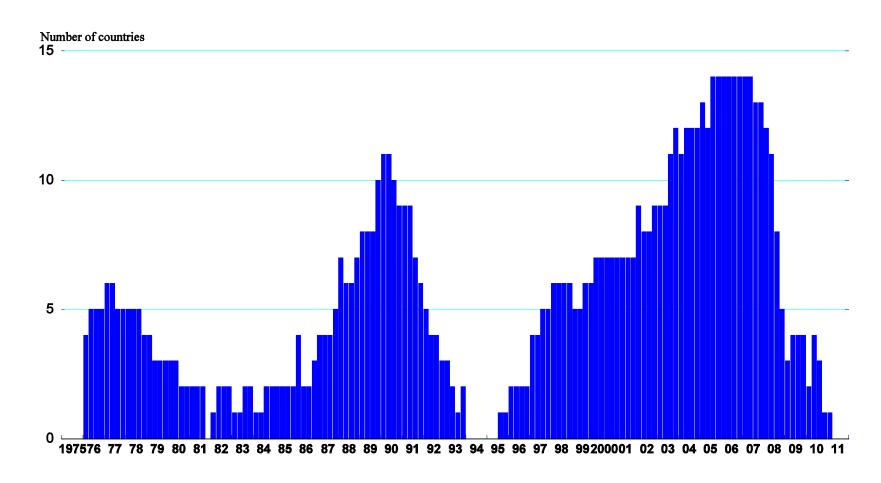
Indices, 1995 = 100





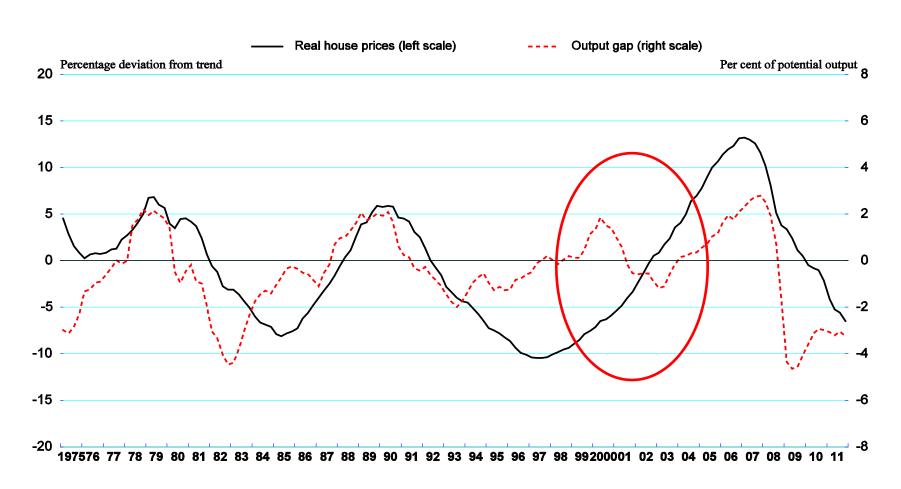
Cross-country coincidence of real house price increases

Number of countries (out of 18) with over 25% increase in real prices over the previous five years





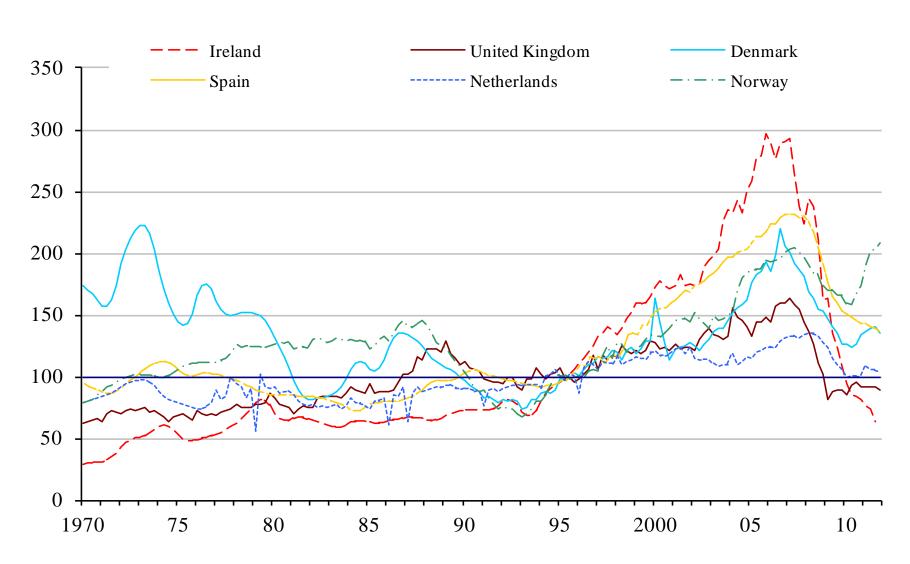
OECD Real house prices and the business cycle





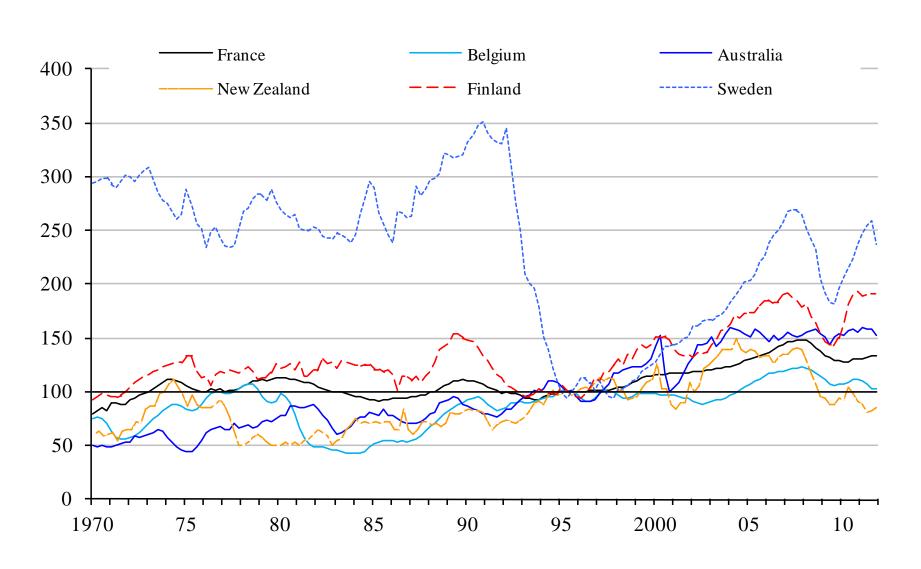
Real residential investment

Indices, 1995 = 100



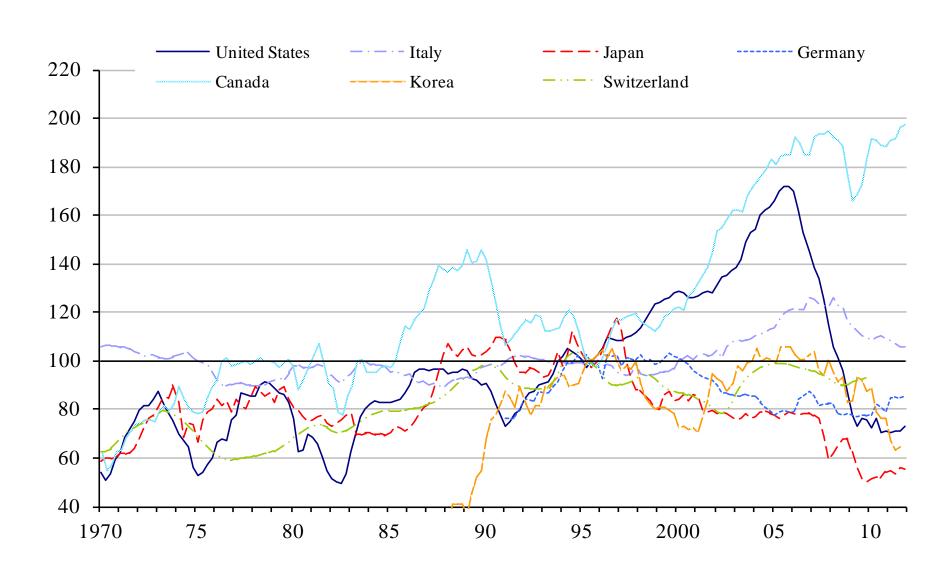


Real residential investment (cont.) Indices, 1995 = 100





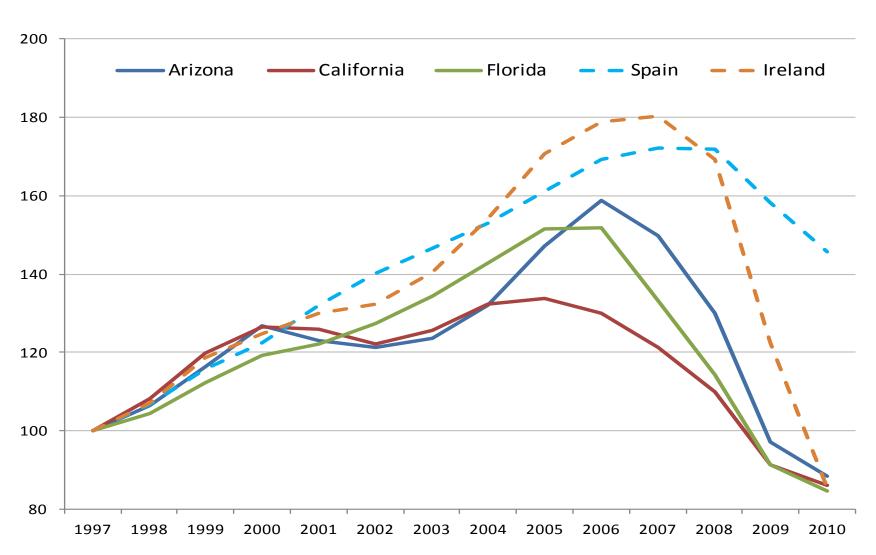
Real residential investment (cont.) Indices, 1995 = 100





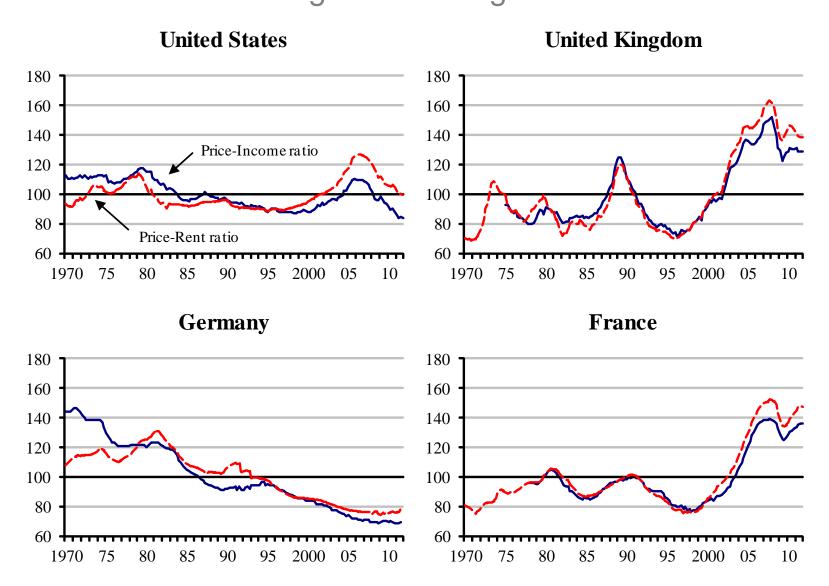
Construction in selected US states and euro area countries

Volume indices, 1997=100





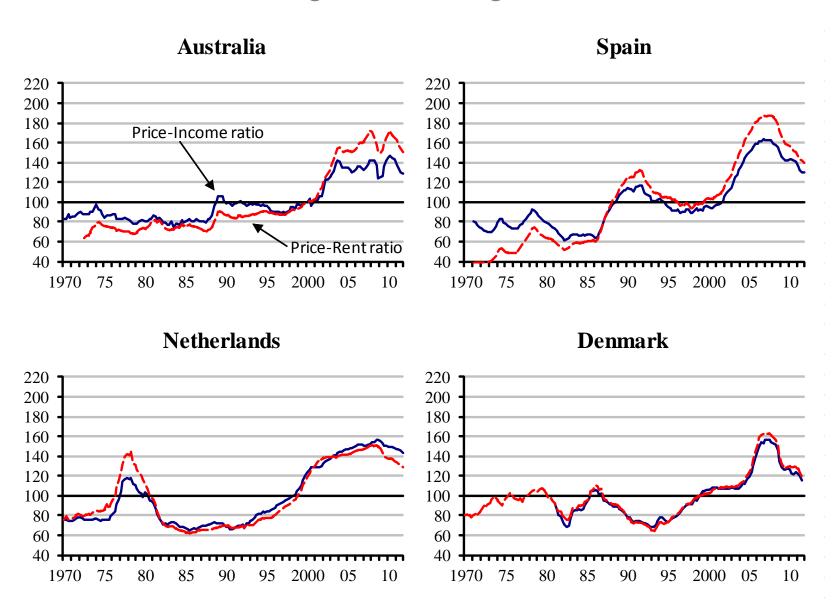
Price-Income and Price-Rent ratios Long-term average = 100





Price-Income and Price-Rent ratios (cont.)

Long-term average = 100





Asset-pricing model Poterba (1984)

$$P = R / (i_a + \tau + f - \pi)$$

P = House prices

R = Rents

i_a = After tax mortgage rate

 τ = Property tax rate

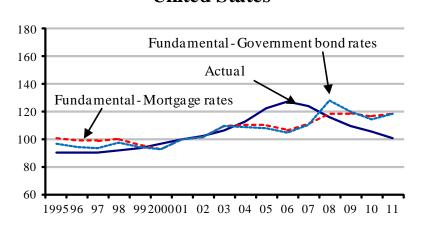
f = Recurring holding costs

 π = Expected capital gains

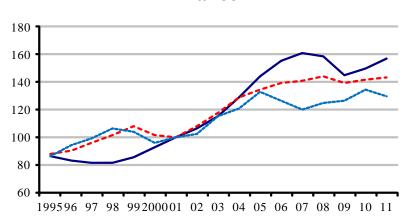


Actual and fundamental price-rent ratios Long-term average = 100

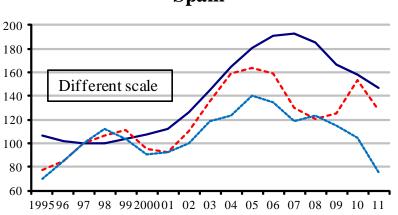




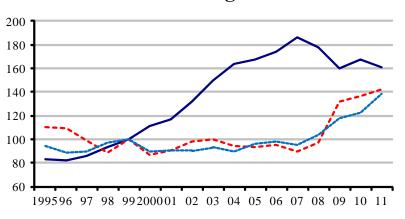
France



Spain



United Kingdom





Drivers of supply and demand



Drivers of demand

- Household real disposable income
- Interest rates
- Mortgage market sophistication >>>>
- Demographics
- Demand by non-residents
- Price expectations

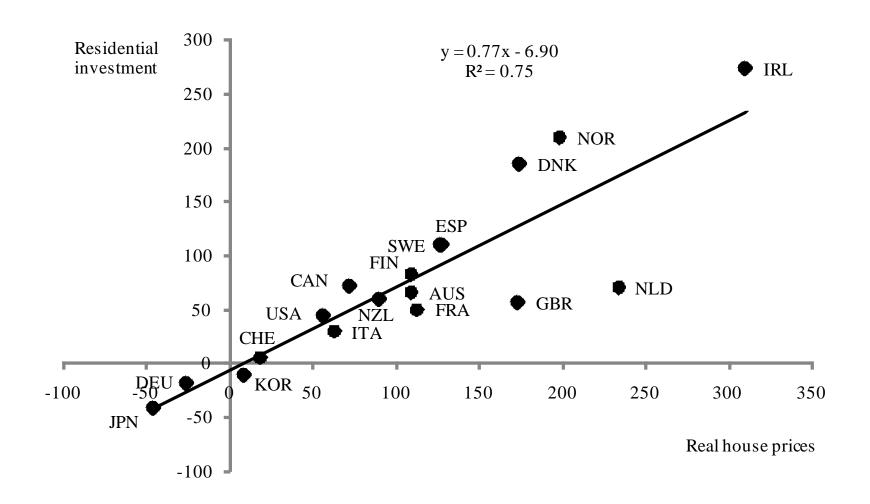


Drivers of supply

- Profitability: House prices compared to production costs
- Expectations of future house prices
- Physical limitations to increasing supply
- Land-use and building regulations

OFCD

Real house prices and residential investment Percentage change over the latest cyclical expansion



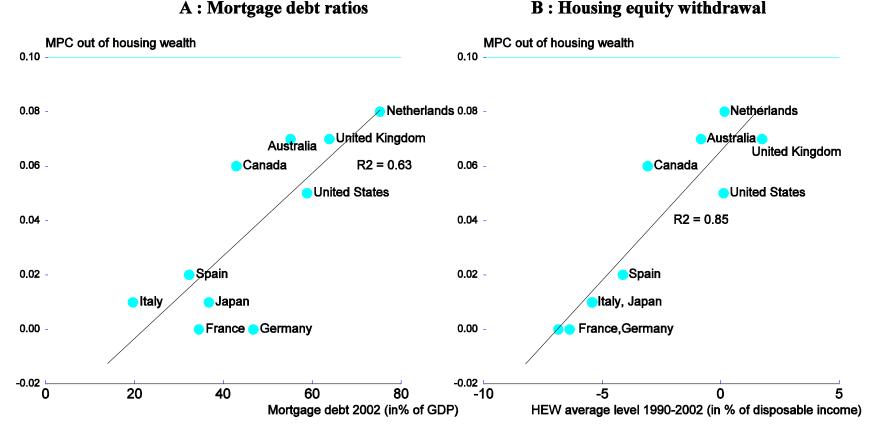


Housing and the wider economy



Marginal propensity to consume housing wealth and mortgage market indicators





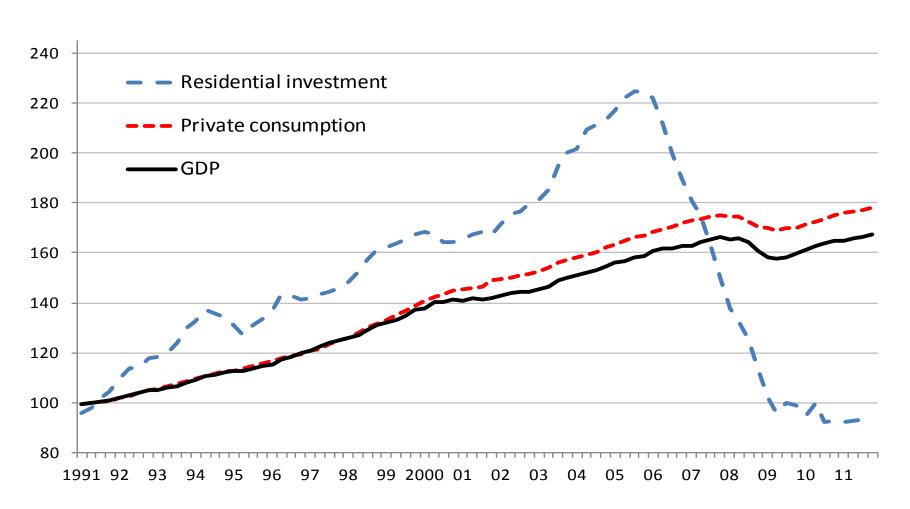
Note: MPC is for marginal propensity to consume; HEW is for housing equity withdrawal.

Source: OECD Economics Department working paper, No 394 (2004).



Residential investment and private consumption - United States

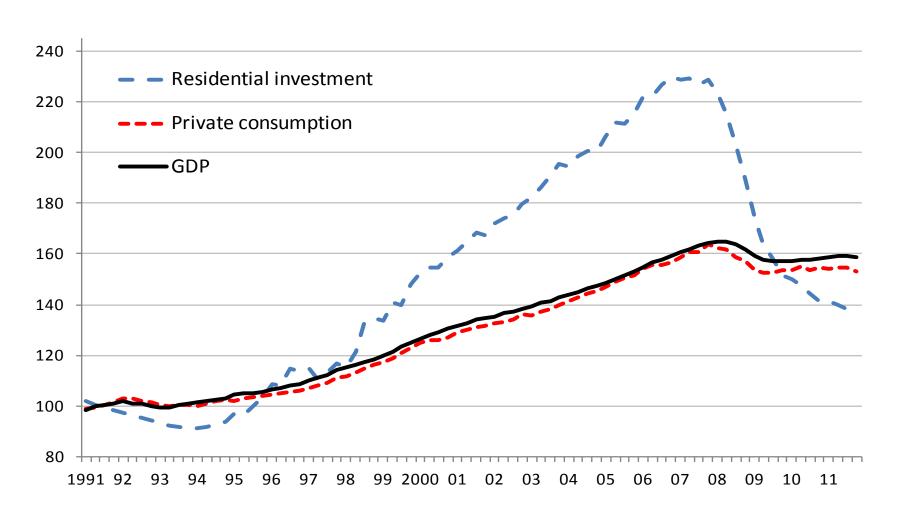
Volume indices, 1991=100





Residential investment and private consumption – Spain

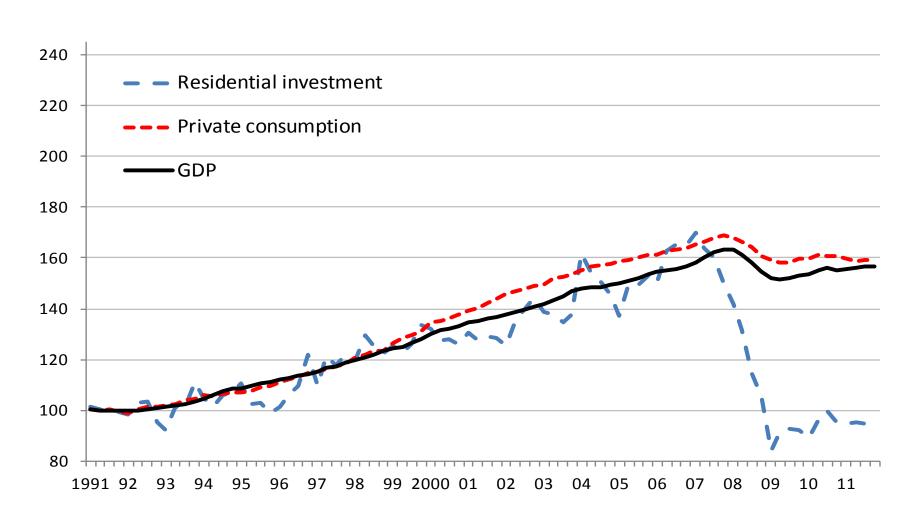
Volume indices, 1991=100





Residential investment and private consumption – United Kingdom

Volume indices, 1991=100





The role of policies

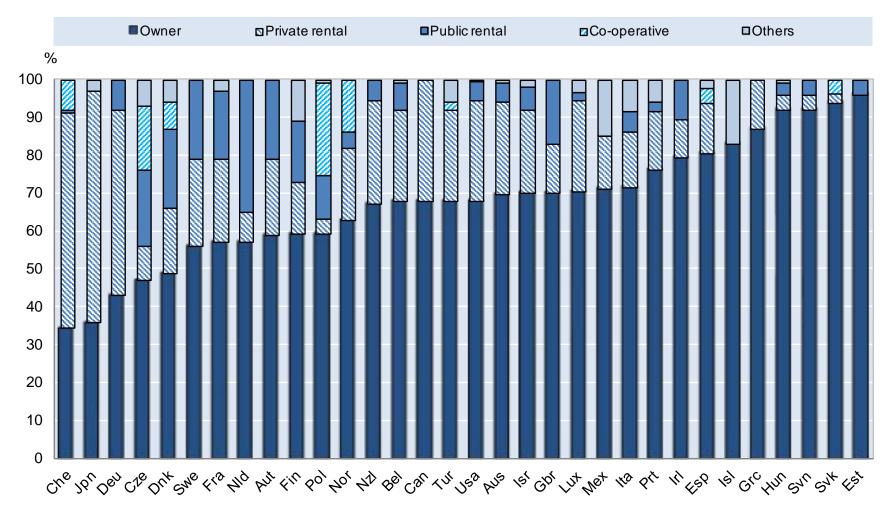
 Loose monetary policy risks fuelling housing booms >>>>

 Regulatory and supervisory failures have often led to housing crises >>>>

 Taxation of housing often encourages homeownership and leads to higher debt levels



Tenure structure across countries Per cent of dwelling stock



Source: Andrews, Caldera Sánchez and Johansson, "Housing Markets and Structural Policies in OECD countries", OECD Economics Department Working Papers, No. 836.



Globalisation and housing

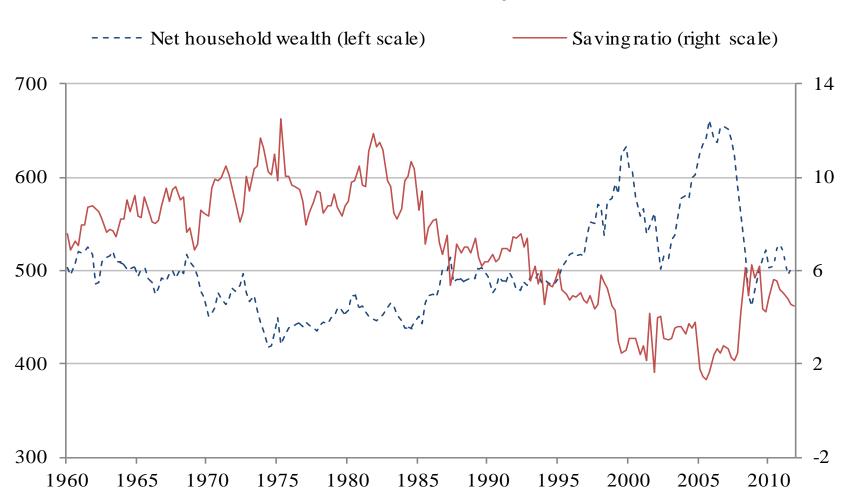
 Capital inflows associated with trade imbalances have played an important role in fuelling the boom in some countries

• The "savings glut" has contributed to keeping long-term interest rates low



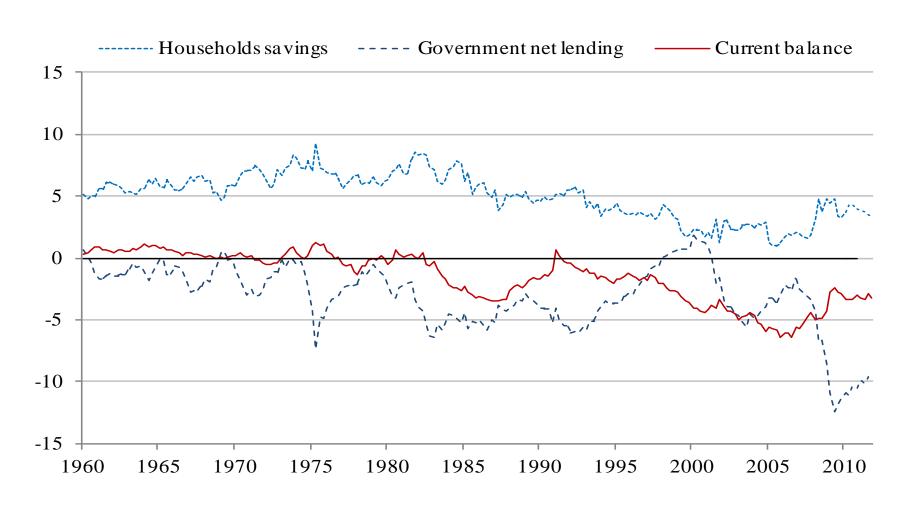
Households wealth and saving in the United States

Per cent of household disposable income



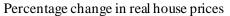


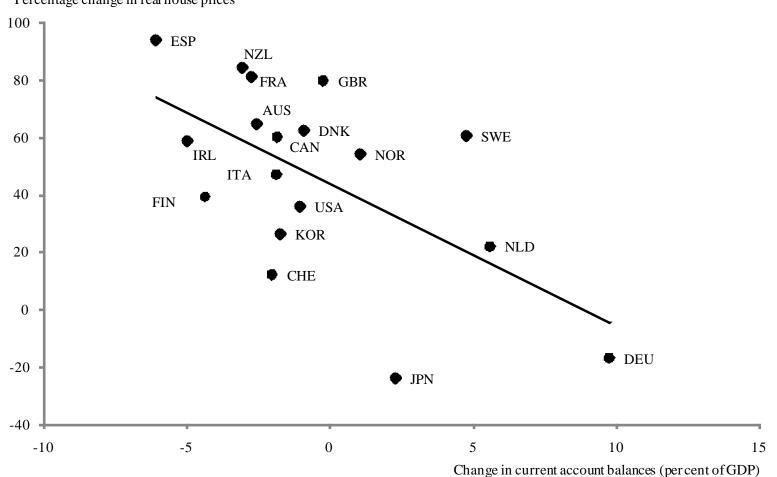
Households saving, government deficit and current account balance – United States Per cent of GDP





Evolution of real house prices and current account balances 2000-2007







Conclusions

- Low interest rates and mortgage market innovations have been the main drivers of the latest housing expansion, at least initially
- After 2003-04, house prices and construction activity seem to have overshot in many countries
- Global imbalances have kept long-term interest rates low
- Inadequate financial regulation and supervision have allowed unsustainable developments in housing finance
- Tax systems favouring homeownership have tended to increase instability



Thank you!



Mortgage market sophistication and innovations

- Extension of loan terms
- Interest-only loans / Flexible repayment loans
- Increased reliance on adjustable-rates
- Higher loan-to-value ratios
- Housing equity withdrawal
- Subprime loans
- Securitisation



Risky lending in the UK

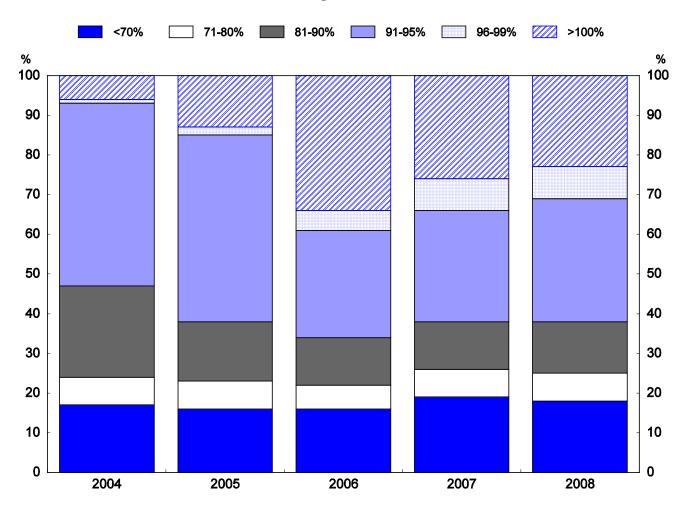
Share of all regulated mortgage sales represented by high-risk products in 2007

- 49% Non-income verified
- 32% Interest-only
- 28% Loan-to-income ratios of 3.5 or over
- 14% Loan-to-value ratios of 90% or over
- 4% To individuals with impaired credit history

Source: FSA



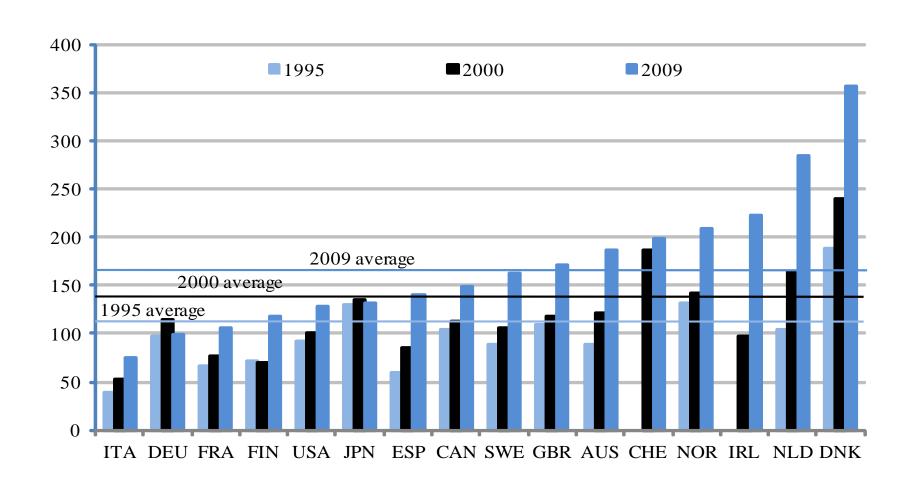
Loan to value ratios for housing of first time buyers in Ireland



Source: Department of environment, Heritage and Local Government.



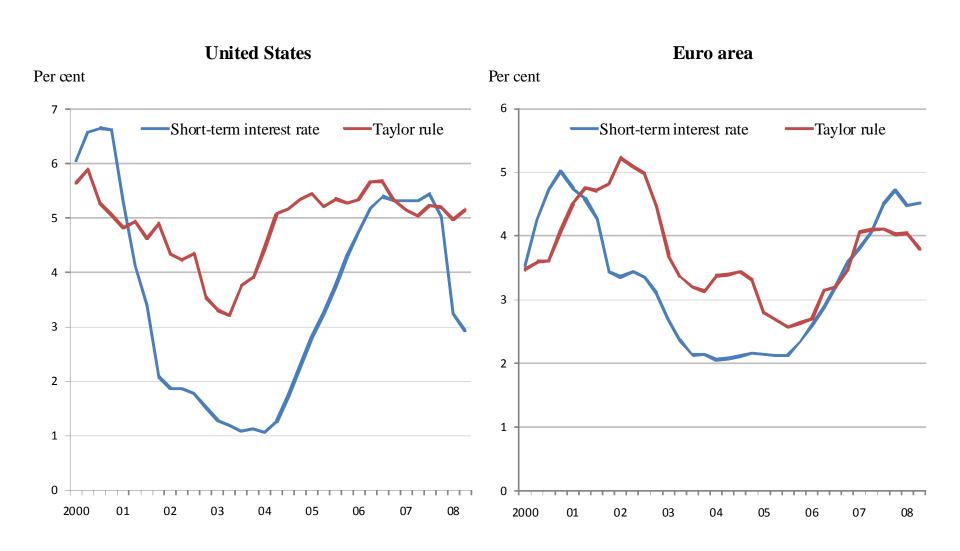
Household debt Per cent of disposable income





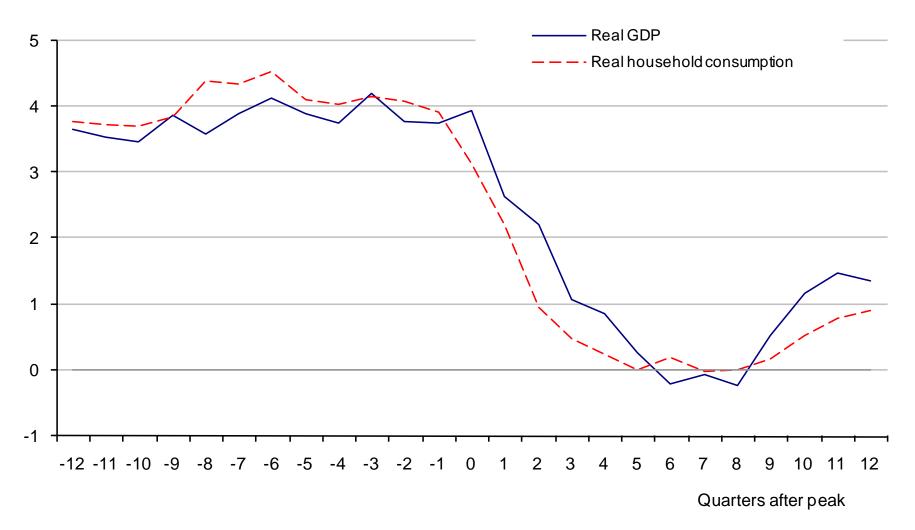


Policy rates and Taylor rule





Real GDP and consumption during housing downturns







Regulatory and supervisory failures

- "Shadow" banking system
- Excessive leverage
- Pro-cyclicality
- Opaque securities and risk management failures
- Conflict of interest in rating agencies
- Poor underwriting standards for mortgages
- Insufficient attention to liquidity

