

Agenda	
• The US system	
• The EU system	
<ul> <li>Main features of other systems</li> </ul>	
<ul> <li>Rationale of different CB models</li> </ul>	
<ul> <li>Monetary policy instruments and goals: rationale of different CB mandates</li> </ul>	
<ul> <li>Monetary policy and financial crisis</li> </ul>	
<ul> <li>International financial system</li> </ul>	
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DIFFERENT MODELS: WHY?	
• <b>Pros</b> of independence (empirical evidence):	
<ul> <li>Political shortsighted influence can produce inflation by acting on short- term goals (unemployment and IR) depending on election dates rather than economy needs</li> </ul>	
<ul> <li>Treasuries' influence could accumulate risk by promoting abnormal absorption of public debt</li> </ul>	
<ul> <li>Monetary policy requires great expertise, historically lacking within political circles</li> </ul>	
• Cons of independence (conjectures?):	
Lack of responsibilities and democratic control/sovereignty	
No actions possible in case of poor CB's performance	
<ul> <li>Politicians acting on fiscal policy can be opposed by unaccomodating monetary policy</li> </ul>	
<ul> <li>Independence did not avoid policy failures (f.i. Great Depression)</li> </ul>	
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MONETARY POLICY TOOLS	
<ul> <li><u>Open market operations</u></li> <li>Main policy tool in influencing IR and system's liquidity</li> <li>Purchases increase reserves (CB's liabilities) and securities (CB's assets), through the banking system that sees an increase in monetary base and money supply (the opposite for sales)</li> </ul>	
<ul> <li><u>Discount lending</u></li> <li>Also important tool, yet more "localised"</li> <li>More discount loans increase reserves (CB's liabilities) and loans (CB's assets), through the banking systems that sees an increase in monetary base and money supply (the opposite on repayment)</li> </ul>	
Reserve requirements <ul> <li>Although infrequent, mandatorily increase demand for reserves</li> </ul>	
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MONETARY POLICY TOOLS	
Use of discount lending	
<ul> <li>Liquidity backup, in the very short-term, for solvent and/or troubled institutions (with different pricing)</li> </ul>	
<ul> <li>Discount lending could allow CBs to become lenders of last resort to avoid bank runs, by increasing discount lending and extending it particularly to troubled institutions</li> </ul>	
<ul> <li>Lending of last resort induces moral hazard as any safety net</li> </ul>	
• For ECB, main reference is to "marginal lending facility"	
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MONETARY POLICY GOALS	
Primary goal: price stability	
<ul> <li>"Low" and stable increase in price level</li> </ul>	
Reduced uncertainty and economic growth	
Nominal anchor: choosing of a target variable:	
<ul> <li>Typically, inflation or money supply</li> </ul>	
<ul> <li>Reduces time-inconsistency problems: short-run policies hamper long-run efficacy</li> </ul>	
<ul> <li>Constrains discretionary policies</li> </ul>	
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MONETARY POLICY GOALS	
<ul> <li>Other goals:</li> <li>High employment (lower than 100%):</li> <li>frictional unemployment is beneficial (looking for better jobs, education,), structural unemployment (mismatch between demand and supply of labour) is outside CBs' powers</li> <li>match demand and supply: natural rate of unemployment</li> <li>Economic growth: promoting investments and savings, also in</li> </ul>	
<ul> <li>Financial markets stability: by responding to excessive or insufficient funds within intermediaries</li> </ul>	
<ul> <li>IR stability: reducing fluctuations that create uncertainty</li> <li>ER stability:</li> </ul>	
<ul> <li>to assist internal competitiveness and avoid "imported" inflation</li> <li>to reduce uncertainty and assist economies highly dependent on foreign trade</li> </ul>	
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MONETARY POLICY AND CRISIS	
Asset-price bubbles can lead to crisis:	
<ul> <li><u>Credit-driven</u>: easy credit artificially inflates an asset's price, and when the tendency is reverted credit losses arise and asset values are destroyed (f.i. subprime mortgage crisis)</li> </ul>	
<ul> <li><u>Irrational exuberance</u>: excessive optimism over a category of assets inflates its price, and when the tendency is reverted it has a negative impact on economy (f.i. "New economy" bubble)</li> </ul>	
CBs should therefore consider the following:	
<ul> <li>Exuberance bubbles are hard to identify ("beat the market"?) and its impact is not so dangerous to the overall economy</li> </ul>	
<ul> <li>If credit is booming, it is easier to see it and the impact of a following crisis is usually huge</li> </ul>	
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	MONETARY POLICY AND CRISIS
How	should CBs respond?
•	Influencing IR has uncertain outcomes: it does not reduce the expectation for high returns of "bubble-investors" and higher IR make bubble burst more severely
•	Usually it's a specific asset or a certain asset class being involved: CBs have tools that can impact general macroeconomic variables, rather than hitting with greater focus
•	Acting on IR causes a short-term loss of growth, employment and desired inflation
•	Hence, usually CBs should not respond to burst bubbles
•	Other players should come in before:
	<ul> <li>Regulators (since bubbles are created by deregulation)</li> </ul>
	<ul> <li>Supervisors (risk-taking should be assessed and limited)</li> </ul>

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THE INTERNATIONAL FRAMEWORK	
CBs intervene also in Forex:	
<ul> <li>By buying/selling international reserves, thus reducing/increasing the monetary base and appreciating the domestic currency: unsterilised foreign exchange intervention</li> </ul>	
<ul> <li>Sterilised interventions require an additional offsetting open market transaction to leave the monetary base stable, hence no effect on ER or IR, but signaling effect could influence demand due to future expected monetary policy actions</li> </ul>	
CBs could be involved because of ER regimes:	
<ul> <li>Floating ER regimes can be influenced (managed/dirty) with domestic effects</li> </ul>	
<ul> <li>Fixed ER regimes, setting an anchor, need to be managed but require availability of international reserves: if insufficient a devaluation occurs, if excessive a revaluation</li> </ul>	
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