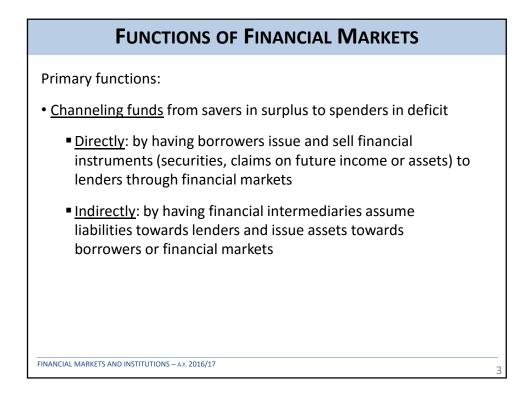
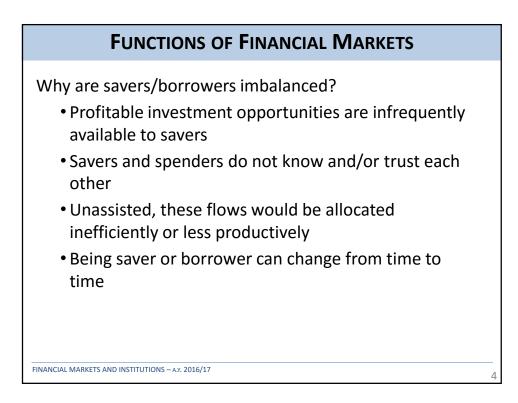
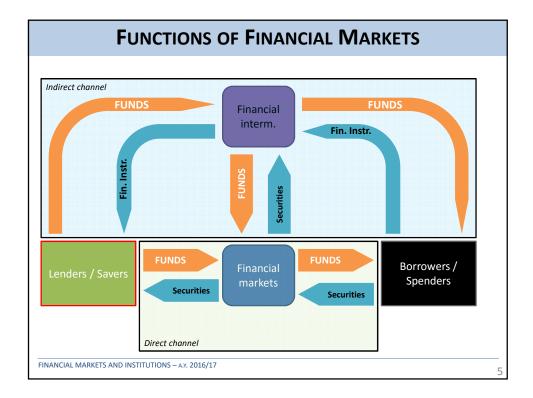
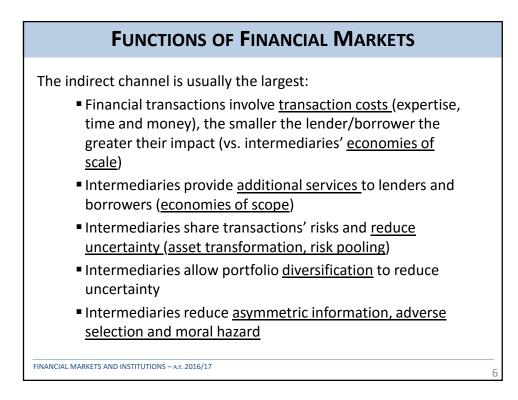


Agenda	
Functions of financial markets	
 Asymmetric information: adverse selection, moral hazard 	
Structure of financial markets	
The international dimension	
 Classification of financial intermediaries 	
Regulation	
• Examples	
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ASYMMETRIC INFORMATION

Asymmetric information:

- one party of a financial transaction or contract does not know enough about the other party to make accurate decisions
- leads to:
 - <u>Adverse selection (ex-ante)</u>: potential "bad" borrowers are the ones that most actively seek loans and are most likely to be financed, up to the point where no lender would be ready to provide funds
 - <u>Moral hazard (ex-post)</u>: the borrower might engage in undesirable activities that make the loan less likely to be paid back (plus, conflicts of interest), up to the point where no lender would provide funds
- Financial intermediaries can:
 - Require specific information to reduce asymmetries and use expertise
 - Better scrutiny borrowers and discriminate between "good" and "bad"
 - Monitor closely borrowers reducing incentives to misbehave

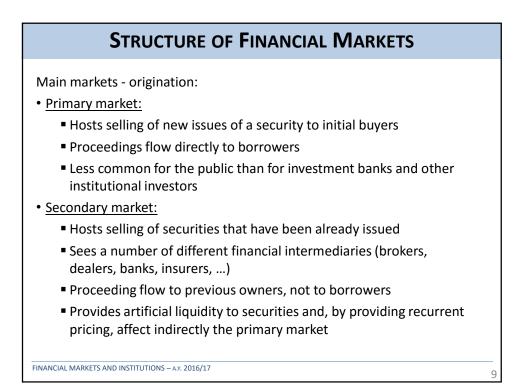
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STRUCTURE OF FINANCIAL MARKETS

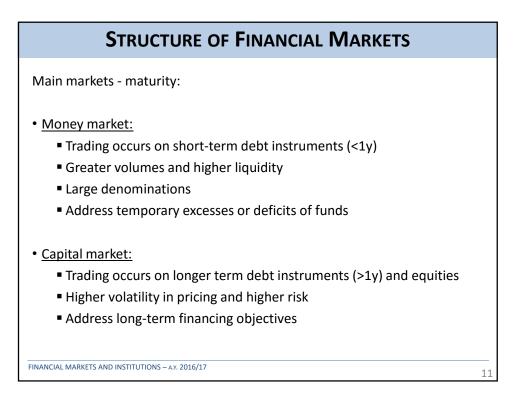
Main groups of securities:

- Debt instruments (bonds, mortgages, ...):
 - the borrower agrees to pay the holder a fixed (or similar) amount of money at specific points in time until a maturity date
 - short-term (<1y), medium-term (1y-5/10y), long-term (>5/10y)
- Equity instruments (common stock, preference shares, ...):
 - the holder has a claim to share in the net income (through periodic payment of uncertain dividends) and the assets of a business (though, residually in case of liquidation/bankruptcy)
 - usually involve voting and rights additional to cash-flows
 - smaller volumes than debt instruments

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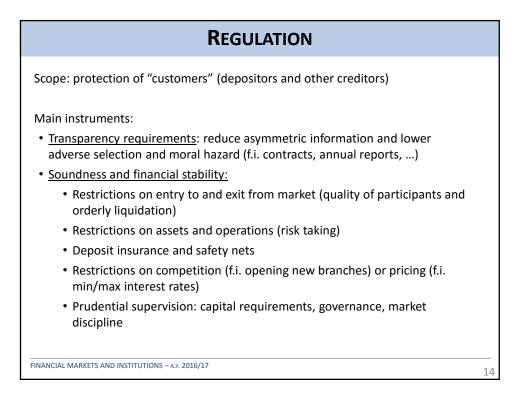


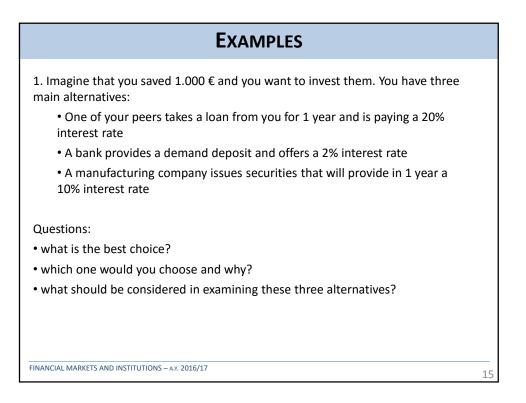
STRUCTURE OF FINANCIAL MARKETS
Main markets - organisation:
• Exchanges:
 Buyers and sellers (or agents and brokers) meet (physically or virtually) in a centralised location to conduct standardised trades
• <u>Over-the-Counter (OTC):</u>
Dealers at various locations hold an inventory of securities and are ready to buy and sell at specific prices to anyone
 IT developments and increased standardisation/competition reduced differences with organised exchanges
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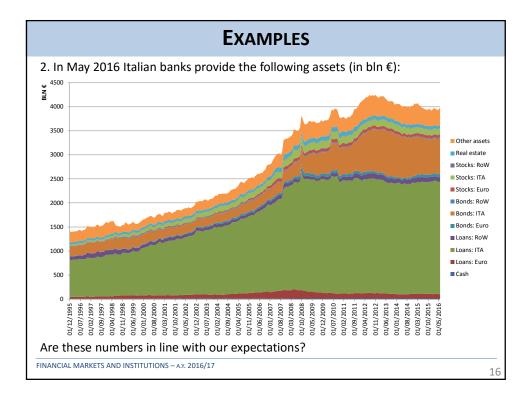


THE INTERNATIONAL DIMENSION	
 Some confusing terminology: <u>Foreign bonds</u>: sold abroad and denominated in the target country's currency (f.i. Italian bonds sold in Singapore and priced in SGD) <u>Eurobond</u>: priced in a currency other than that of the target country (f.i. a bond denominated in TRY sold in Shanghai) 	
 <u>Eurocurrencies</u>: foreign currencies deposited in banks outside their home country (f.i. Eurodollars, that are USD deposited off the US) 	
 "Globalisation", despite controversies, provides: greater efficiency (competition for funds) growth opportunities (more alternatives available) higher welfare (better use of resources) 	
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INTERMEDIARIES	
By looking at their intermediary role, we have:	
Depository institutions:	
 Commercial banks and cooperatives/mutuals (less differences in the European market compared with the US) 	
 Collect (mainly) deposits and hold loans and securities 	
<u>Contractual savings institutions:</u>	
 Life insurers: collect policy premiums and hold m/l securities 	
 Non-life insurers: collect policy premiums and hold liquid securities 	
 Pension funds and retirement programs: collect contributions and hold m/l securities 	
Investment intermediaries:	
 Finance companies: issue commercial paper and securities, hold loans 	
 Mutual funds: issue shares and hold securities 	
A number of additional "instrumental" institutions (f.i. brokers, arrangers,)	
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	3, Italian lamines n	ad the f	ollowing assets an	d liabili	ities (in bin
Assets			Liabilities		
Cash		122	Loans: consumer credit	115	
Deposi	its (banks/post off.)	1,051	Loans: mortages	378	
Bonds:	: Italian sovereign	181	Loans: others	170	
Bonds:	: Italian corporate	323	Insurance liabilities	37	
Bonds:	: foreign	113	Payables and others	187	
Shares	: Italian	666			
Shares	: foreign	43			
Shares	: family businesses	201			
Mutua	l funds	305			
Insurar	nce assets	727			
Receiv	ables and others	117			
Real es	state/tangibles	5,766.7			
Total a	ssets	9.615	Total liabilities Net wealth	886 8,729	

ties (in bln €):		ns had the following a	
Assets		Liabilities	
Cash and demand deposits	252	Other deposits	32
Other deposits	27	Short term securities	5
Short term securities	1	Long term securities	140
Long term securities	60	Derivatives	7
Derivatives	5	Short term loans	371
Short term loans	30	Long term loans	752
Long term loans	28	Stocks and shares	1,591
Stocks and shares	509	Insurance liabilities	100
Mutual funds	9	Payables and other liabilities	563
Insurance assets	17		
Receivables and other assets	632		
	1,571		3,562