





# Web resource www.bis.org

### **Bank for International Settlements**

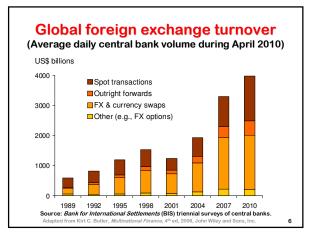
Click on:

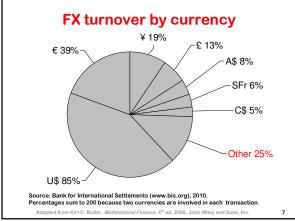
### - Statistics (Pubs & research)

### - Foreign exchange (International financial statistics

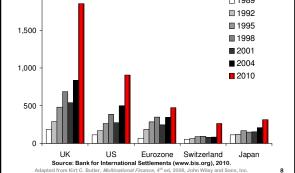
Adapted from Kirt C. Butler, Multinational Finance, 4th ed, 2008, John Wiley and Sons, Inc.

International financial statistics





# Major FX trading centers (\$ billions per day)





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## Rules of the game

### "Buy low and sell high"

- > One contract = One billion ringgits
- > Trades can be for up to 10 contracts
- Record each transaction as a purchase or sale
- Maximum bid-offer spread is 1 basis point (1 bp = 0.01¢/Rg = \$0.0001/Rg)
- > Dealer quotes are good for 2 minutes

Adapted from Kirt C. Butler, Multinational Finance, 4th ed, 2008, John Wiley and Sons, Inc.

### Arbitrage profit in the fx market

An example

Bank A: "\$0.26602/Rg bid and \$0.26612/Rg offer"

Bank B: "\$0.26617/Rg bid and \$0.26627/Rg offer"

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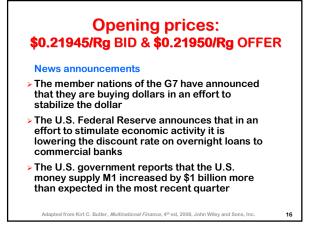
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# **MSU CIBER - International Business Institute**





	Rg 1 billion	\$/Rg	Cumulative
Counterparty	contracts	price	balance
1 Penn Square	BUY 1	0.22004	+1
2 Citicorp	BUY 3	0.22010	+4
3 Bk of Tokyo	SELL 2	0.22016	+2
4 Bk of Tokyo	SELL 4	0.22020	-2
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### The Impact of News Events

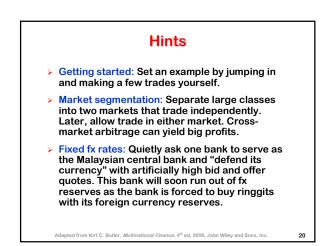
The U.S. government reports that U.S. money supply M1 increased by \$1 billion more than expected in the most recent quarter

This would appear to result in a larger supply of dollars and hence a lower value for the dollar. However, the increase in the money supply has already occurred and should already be reflected in the market price of the dollar. On the other hand, if the U.S. Federal Reserve is likely to increase the discount rate to slow down

the economy, then the dollar could rise in anticipation of Fed policy.

Adapted from Kirt C. Butler, *Multinational Finance*, 4<sup>th</sup> ed, 2008, John Wiley and Sons, Inc

If the dollar rises against the ringgit, then the ringgit will fall against the dollar.



# Int'l finance topics appropriate for CCs

- International finance
  - -International markets
  - -Corporate governance and M&A
- International economics
  - -Exchange rate systems
  - -Models of comparative advantage

Adapted from Kirt C. Butler, Multinational Finance, 4th ed, 2008, John Wiley and Sons, Inc.

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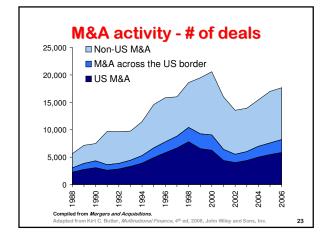
-The IMF and the World Bank

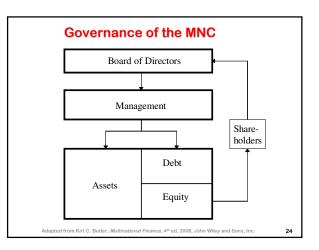


increasingly important

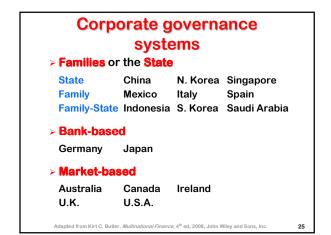


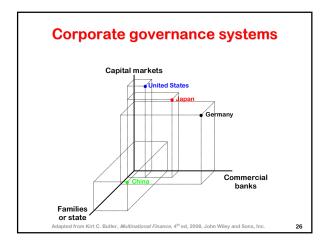
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The gentle reader will never, never know what a consummate ass he can become, until he goes abroad.

**Mark Twain** 

Adapted from Kirt C. Butler, Multinational Finance, 4th ed, 2008, John Wiley and Sons, Ind

# Topics of international finance

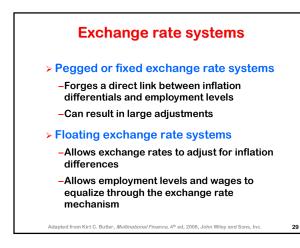
- International finance
  - -Financial markets
  - -Corporate governance and M&A

### International economics

- -Exchange rate systems
- -Models of comparative advantage
- -The IMF and the World Bank

Adapted from Kirt C. Butler, *Multinational Finance*, 4th ed, 2008, John Wiley and Sons, Inc.

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### **Recent exchange rate arrangements**

	Arrangements with no separate legal tender	Currency board or fixed peg arrangements	Crawling pegs or horizontal bands	Managed floating with no pre- determined path	Independent float
Africa	WAEMU & CAEMC	Egypt, Ethiopia, Rwanda, Zimbabwe	Botswana	Kenya, Nigeria, Sudan,	Congo, Somalia, S. Africa, Uganda
Asia & Pacific	Kiribati, Marshall Islands,	China, Pakistan, Vietnam	Tonga	Afghanistan, India, Singapore, Thailand	Australia, Indonesia, Japan, Korea
Europe	Eurozone: Austria, Belgium,	Bosnia-Herzegovina, Latvia, Ukraine	Denmark, Hungary, Slovak Rep.	Czech Rep, Russia, Romania, Serbia	Norway, Sweden, U.K., Switzerland
Middle East		Iraq, Kuwait, Qatar, Saudi Arabia, Syria, U	Iran AE	Yemen	Israel, Turke y
Americas	Ecuador, El Salvador, Panama, ECCU	Bahamas, Bolivia, Honduras, Venezuela	Costa Rica, Nicaragua	Argentina, Colombia, Jamaica, Peru	Brazil, Canada, Chile, Mexico, U.S.
Currenc	v Union. WAEMU = '	West African Econom al Financial Statistics,	ic and Monetary Unio	munity. ECCU = Easte n. atemational Monetary F	

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### 1946 The Bretton Woods Conference

- US dollar convertible into gold at \$35/oz; other currencies are pegged to the dollar
  Created the IMF and the World Bank
- **1971 Collapse of Bretton Woods**
- 1979 European Monetary System created

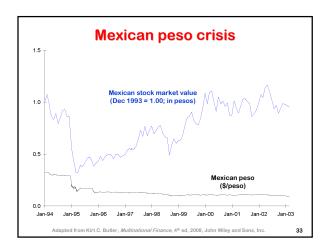
### **1991 The Treaty of Maastricht**

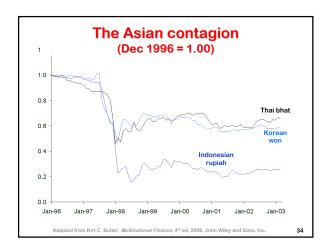
- 1999 Introduction of the euro (€)
  - Emu-zone currencies pegged

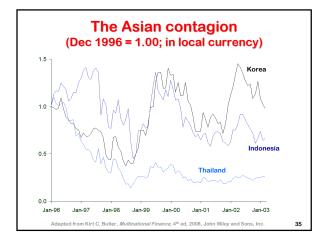
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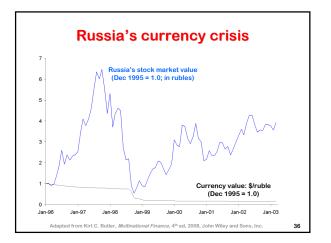
- European bonds converted

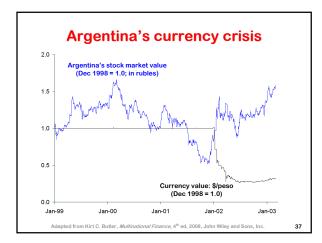




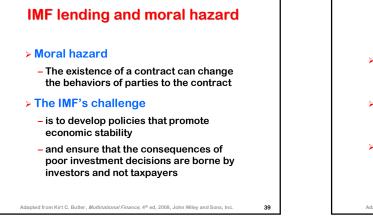














#### Spot market

- Cash market with delivery in two business days

#### Forward market

- Trade on a pre-arranged date and at a pre-arranged price

### ➤ Volume

- More than \$3.2 trillion trades each day
- 75% of trade is in the interbank market

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