International Financial Markets

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What are the Global Financial Markets?

- The Foreign Exchange Market
- Eurocurrency Markets and Lending
- International Bond Markets
- International Equity Markets
- Using the Global Capital Markets: Investors' and Issuers' Perspectives

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Policies and Exchange Rate Regimes

- Exchange rate systems--fixed vs floating
- Managed floating
- EMS-type currency blocs
- De facto blocs--the dollar



The Eurocurrency Market

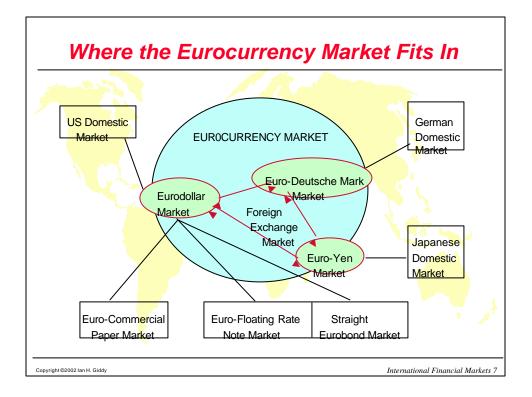
- "A Eurodollar is a dollar deposited in a bank within a jurisdication outside the United States"
- Separation of currently institution and jurisdiction
- Why do people want Surgarity deposits and loans?
- Why is LIBOR the world's key benchmark rate?

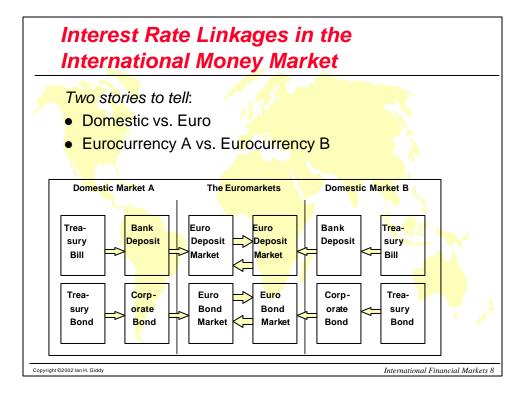
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The Eurocurrency Market

- "A Eurodollar is a dollar deposited in a bank within a jurisdication outside the United States"
- Separation of currency, institution and jurisdiction
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Domestic versus Euro

The Eurodollar Premium

Market price of risk

versus

Cost of regulation

Eurodollar vs. U.S. Interest Rate

Effective cost of domestic deposit

= <u>(interest rate + FDIC fees)</u>

(1 - reserve requirement)

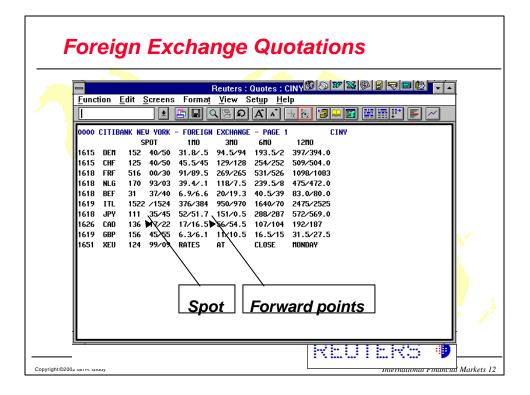
Capital controls and divided credit markets

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Foreign Exchange

- Mechanics and calculations
- How banks make money
- How banks hedge
- Tasks of the corporate FX manager

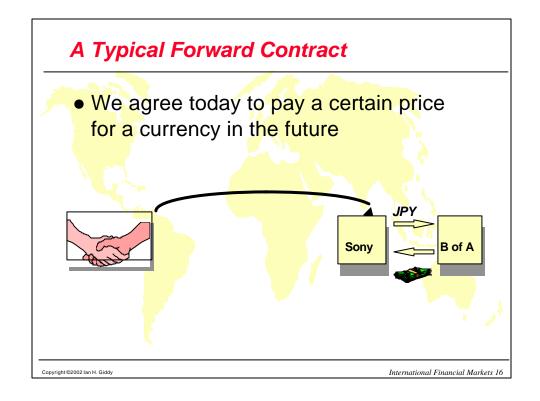
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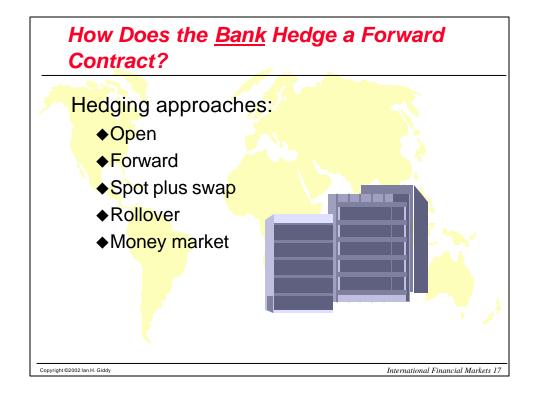


		Spot	N
	How	(2 business	Forward
Curre ncy	quoted	days)	(90 days)
British	US\$	1.632	1.617
pounds (GBP)	per GBP		
Japane <mark>se</mark> yen (JP <mark>Y</mark>)	•	117.5	116.3

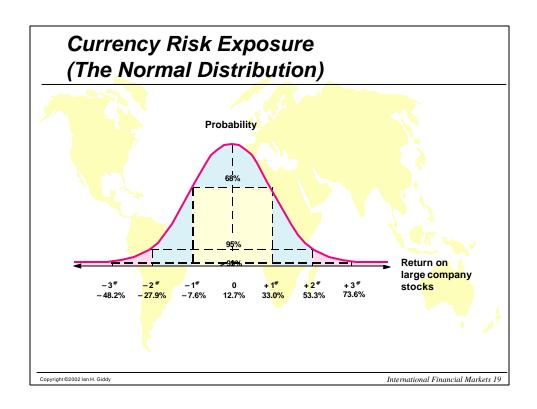
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Forward points			AC
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subtrac <mark>t if b</mark> id>	offer		
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425			
		Spot	
	How	(2 business	Forward
Curre ncy	quoted	days)	(90 days)
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pound <mark>s</mark> (GBP)	per GBP		
Japane <mark>se</mark> yen (JP <mark>Y</mark>)	•	117.5	116.3





	SHORT	LONG
	SHOKT	LONG
Today		
T+2		
T+90		
Methods:		
- Spot + swap		
- Spot + ro <mark>llove</mark> r swap		
- Money market		
- Outright forward		



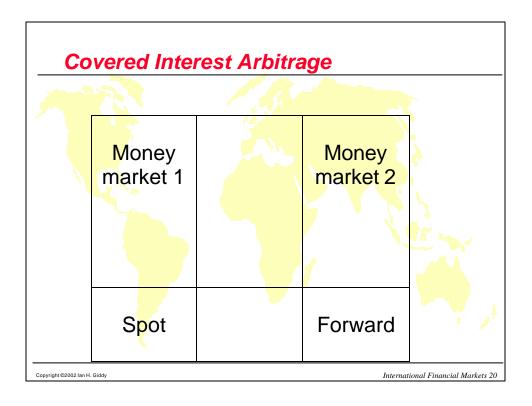


Diagram of a Dealing Room

Foreign exchange and Eurocurrency dealing are interrelated activities and so are done on the same trading floor.

The Dealing Room

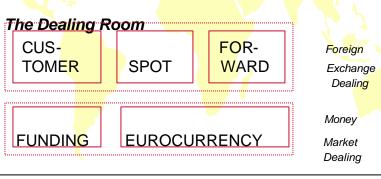


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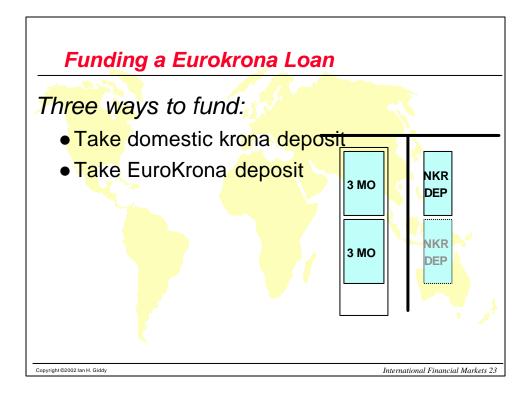
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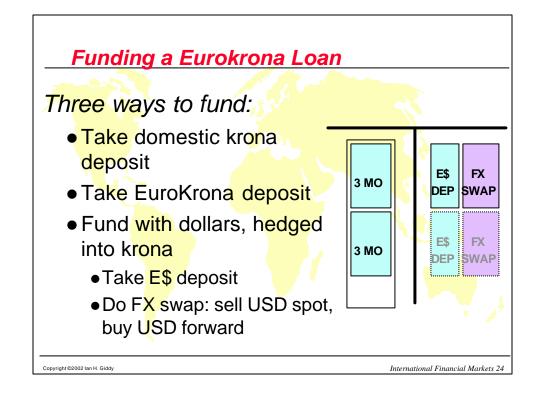
Diagram of a Dealing Room

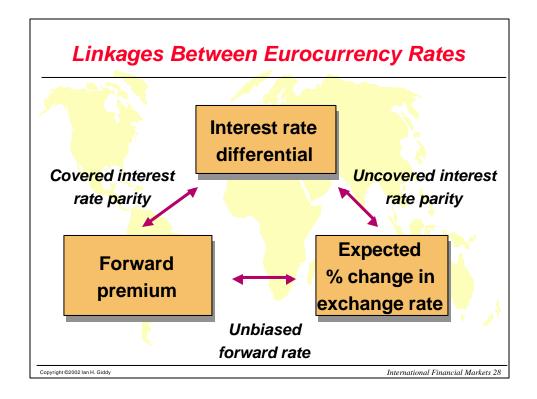
Foreign exchange and Eurocurrency dealing are interrelated activities and so are done on the same trading floor.



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Interest-Rate Parity

 $(1 + /_{ES}) = (1/S_t)(1 + /_{EBP}) F_t^n$

where S_t is the spot exchange rate (dollars per British Pound) and Fⁿ_t is the forward rate.

to a close approximation,

$$(/_{E\$} - /_{EBP}) = [(Ft_n - S_t)/S_t] (365/n) 100$$

Interest-rate differential = forward premium or discount

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Example: Anglo's Funding

- Anglo-American, the natural resources conglomerate, is seeking 3-month US\$ funding.
 - ◆Anglo can fund in the US CP market at 5.5%
 - ♦Or in the Eurosterling market at 6.7%
 - ◆The BP is: spot \$1.5484, 3-mo forward \$1.5454
 - ♦ Which is cheaper?

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International Financial Markets 30

Anglo's Answer

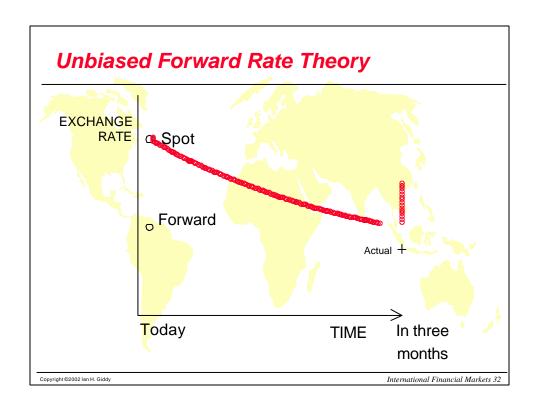
It's cheaper for Anglo-American to borrow in the US CP market. Reason:

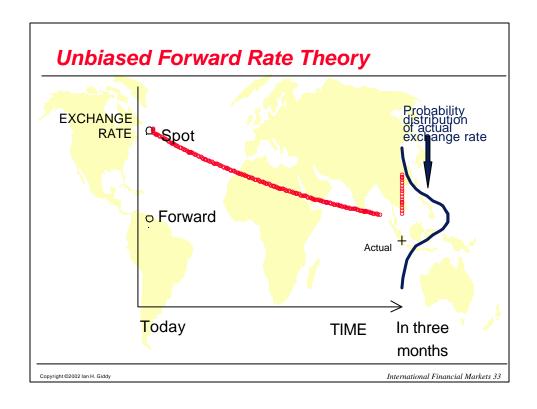
- ◆US: simply borrow for 3 months

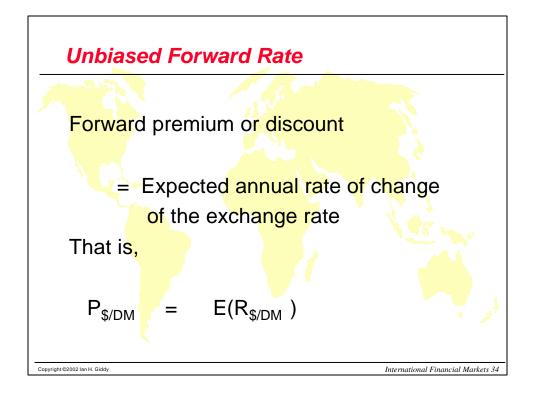
 □ Cost: \$1(1+5.5%/4) = 1.01375
- ◆UK: borrow British pounds, change into dollars at spot rate, cover by buying sterling at 3-mo forward rate to repay the pounds

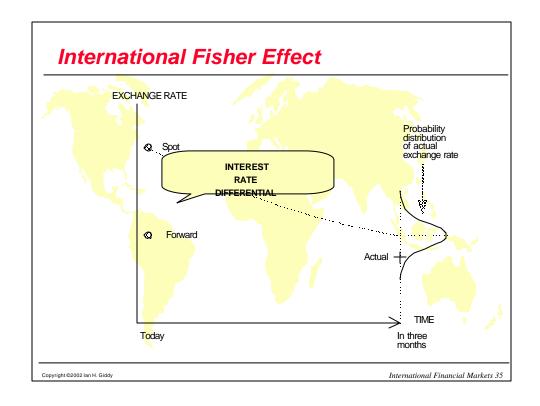
 \Box Cost: (\$1/1.5484)(1+6.7%/4)1.5454 = 1.01478

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International Fisher Effect

$$\frac{1}{1}$$
 = $\frac{1}{1}$ = $\frac{1}{1}$ + $\frac{1}{1}$ = $\frac{1}{1}$ = $\frac{1}{1}$

That is,

Interest-rate differential equals

Expected annual rate of change of exchange rate

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International Financial Markets 36

Cost of Hedging

Type of Hedge Forward

Cost of Hedging Forward premium

Money Market Hedge Interest rate (Borrow to match assets)

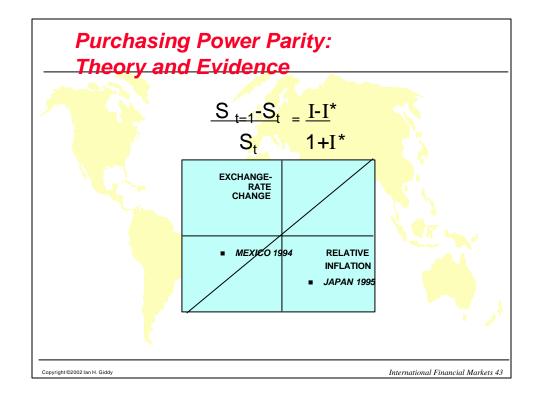
Money Market Hedge Interest rate differential diff

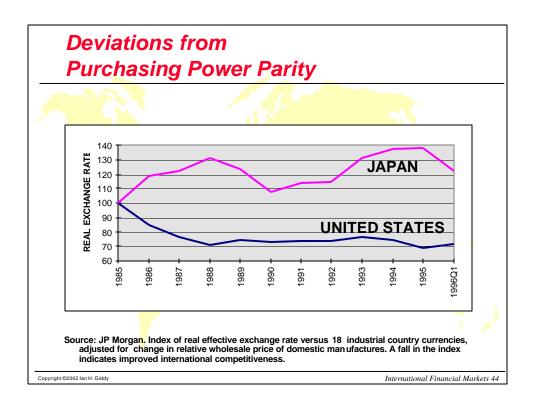
Do nothing

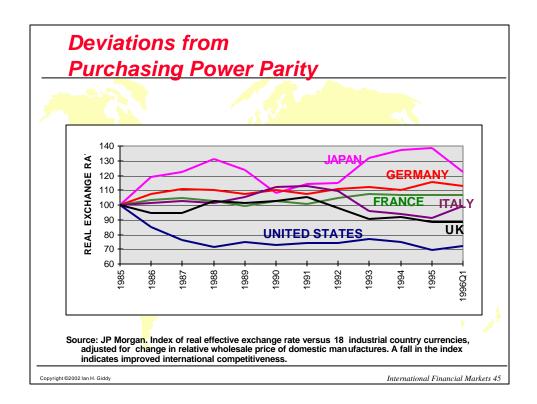
Expected rate of change of exchange rate

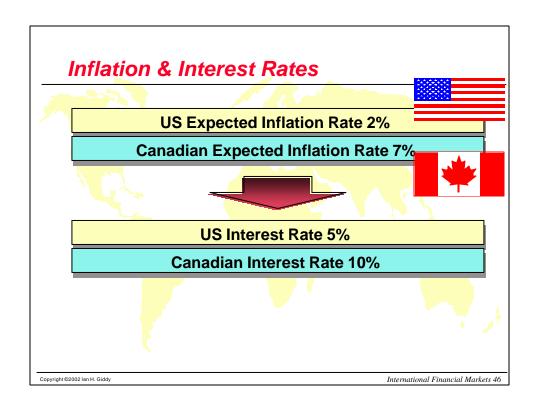
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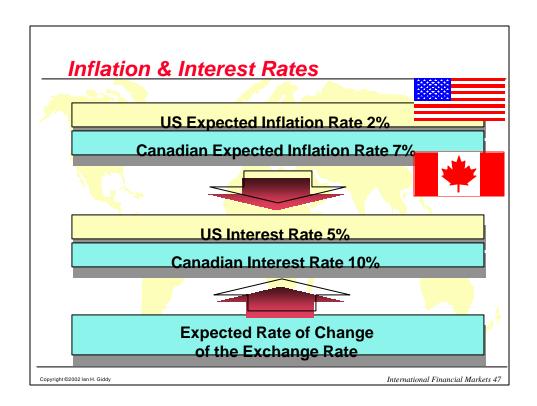
p=Sp*		
The Price of Tin		
In New York	On the Kuala	On the
	Lumpur	London Metal
	Market	Metal
A		Exchange
273c per lb.	15.37 ringgit	US\$58 <mark>30</mark> per
= US\$6.02	per kilogram	tonne
per kilogram ^a	=US5.70	= US5.83
	per kilogra <mark>m</mark> ⁵	per kilogram ^ç
^a 1 avoirdupois pound = 0	.45359 kilogram <mark>s</mark>	
bUS\$1 = 2.696 <mark>5 Mala</mark> ysia	an ringgit on the d <mark>ate o</mark> f c <mark>a</mark> lcu	ılation
c 1 tonne = 1000 kilogran	n	
All data taken from the C	commodities section	

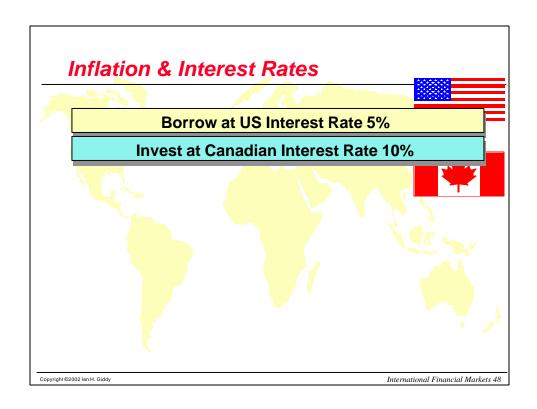


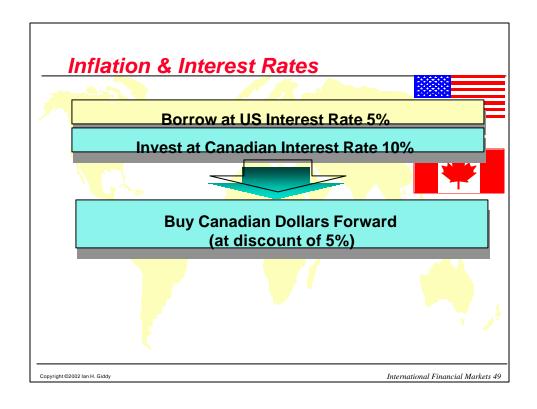


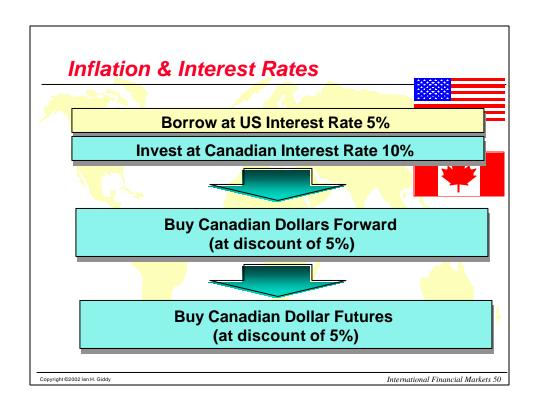


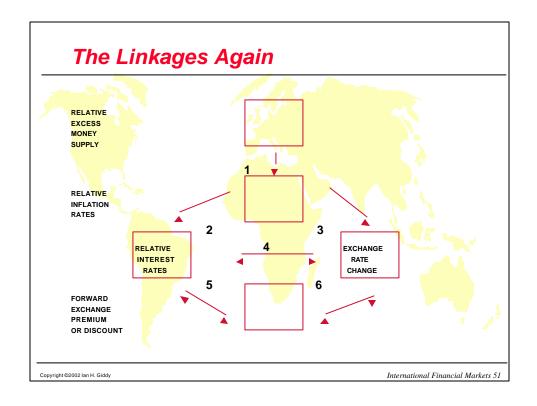


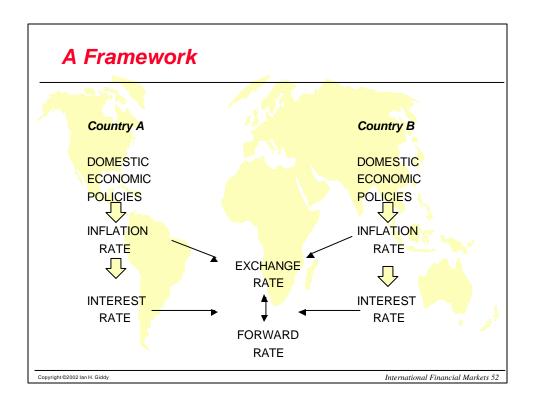


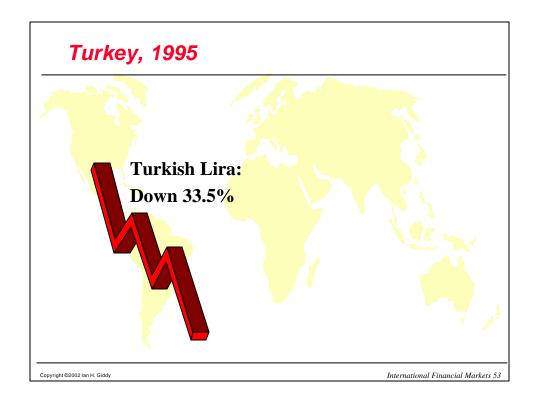












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