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International Financial Markets

Paula Albuquerque

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REGIMES

Cruz-Rodriguez (2013)

From last session presentation:

- Textbooks classify exchange rate regimes in one of two categories: fixed vs floating. There are more variations.
- *De facto* regimes may be different from *De jure* regimes.
- There is no "perfect foreign exchange regime". It depends on the characteristics of each economy. - Arguments from the theory identifying the recommended regime (fixed or floating) according to certain criteria.

Extreme Fixed

- Currency Board (Painel de Moedas)
- Dollariza tion/Eur oization
- Monetary Union

Traditional Peg

Crawling Peg Curren cy Bands Floating exchan ge rates

- Dirty
- Clean

Fixed Exchange Rates

- How is parity defended?
 - The authorities buy or sell foreign currency in exchange for domestic currency.
 - The authorities impose exchange controls to influence the exchange rate by constricting the demand or supply in the foreign exchange market.
 - The authorities alter domestic interest rates to influence shortterm capital flows, and therefore, the foreign exchange rate .

Buying or selling foreign currency

- Defending against depreciation
 - Buy domestic currency/sell foreign currency.
 - Corresponds to the financing of a country's deficit.
 - The sale of foreign currency decreases the stock of official reserves. If it runs out of reserves, it is possible to borrow from abroad.
 - The purchase of domestic currency reduces money in circulation: reduces Money Supply.
- Defending against appreciation: similar, in the opposite direction.

Central bank Balance Sheet (simplified)

Assets	Liabilities
Domestic Assets	Monetary Base
Debt securities	Currency in circulation
Loans to Banks	Deposits from banks
International Reserve Assets	
Foreign-Currency Assets	

Money Supply = Currency + Deposits from the public in regular banks



Source: Chap. 20 from Pugel.

 A temporary external unbalance can be overcome in this way. It is not sustainable to defend a permanent disequilibrium. Costs

Using capital controls

- Capital controls are quantity restrictions \Im
 - Create inefficiencies,
 - High administrative costs,
 - Create incentives to black markets.
 - Instead of foreign exchange risk concerning the price, there is risk as to the possibility of trading.



Source: Chap. 20 from Pugel.

Changing interest rates The foreign currency demand and foreign currency supply move.

- Effects of the intervention in the FOREX
 - Official intervention alters the central bank's assets and liabilities: the country's official international reserves and also the Money Supply → impossible to have an independent monetary policy.
 - Surplus → appreciation pressure on the national currency → intervention: purchase of the foreign currency/sale of the domestic currency → increase in the Money Supply →



- Intervention defending the parity helps the country move back towards external balance.
- ...Problem: the effect of the change in the Money Supply on Prices may not be consistent with the internal balance.
- Solution: STERILIZATION.
 - Surplus → appreciation pressure on the domestic currency → intervention: purchase of the foreign currency/sale of the national currency <u>together with</u> open market operations: purchase of national currency/sale of government bonds.
 - Money Supply does not change. The only change is the composition of the Central Bank's assets: more official reserve assets and less domestic assets.

• Deficit: similar rationale, in the opposite direction.

• Limitations:

- Deficit: difficulties in obtaining foreign currency.
- Surplus: complaints by other countries about the country's ongoing surplus, unwillingness of the Central Bank to keep on increasing its holdings of official reserve assets.
 - Ongoing surplus: If interest rates and prices do not change, there is no reason to have capital movements and changes in competitiveness.

Trilemma – (Impossible trinity)

One cannot have simultaneously:

- Fixed exchange rates
- Independent monetary policy
- Free capital movements (no capital controls)