Credit, Prices, and Crashes: Business Cycles with a Sudden Stop

by

Enrique G. Mendoza
Duke University and NBER
Department of Economics
Duke University
Durham, NC 27708-0097
mendozae@econ.duke.edu

The 1990s emerging-markets crises were characterized by sudden reversals in inflows of foreign capital followed by unusually large declines in current account deficits, private expenditures, production, and prices of nontradable goods relative to tradables. This paper shows that these Sudden Stops can be the outcome of the equilibrium dynamics of a flexible-price economy with imperfect credit markets. Foreign debt is denominated in units of tradables and a liquidity constraint links credit-market access to the income generated in the nontradables sector and the relative price of nontradables. Sudden Stops occur when real shocks of foreign or domestic origin, or policy-induced shocks make this constraint binding. Sudden Stops are not reflected in long-run business cycle statistics but still they entail nontrivial welfare costs. These results question crises-management policies seeking to impose direct controls on private capital flows and favor those that work to weaken credit frictions.

1This paper was prepared for the NBER Currency Crises Prevention project headed by Sebastian Edwards and Jeffrey Frankel. Comments by participants at the NBER conference held in Islamorada in January, 2001, particularly those of the discussant Joshua Aizenman, the 2000 Meeting of the Society for Economic Dynamics, and seminars at the Federal Reserve Banks of New York and San Francisco, the IMF, Johns Hopkins University, the University of Michigan, Stanford University, and UC Santa Cruz are gratefully acknowledged. I am also grateful to Katherine Smith (this paper benefitted from discussions on our joint work) and to Fernando Alvarez, Christopher Carroll, Michael Dooley, Rudi Dornbusch, Jonathan Heatcote, Urban Jermann, Kent Kimbrough and Carlos Vegh for helpful comments.