

foreign assets are close substitutes, others advocate their use and maintain that their effects can even last for months. There is also a lack of consensus on the related question of how to intervene. Are dirty interventions more powerful than pre-announced ones? This paper compares the effects of day-to-day interventions with discretionary interventions by combining a Tobit-GARCH reaction function with an asymmetric power PGARCH(1,1) impact function. Our results show that the impact of pre-announced and transparent US\$ 20 million daily interventions, adopted by Colombia in 2008–20–12, has been much larger than the impact of dirty interventions adopted in 2004–2007. We find that the impact of a change in daily interventions (from US\$ 20 million to US\$ 40 million) raises the exchange rate by approximately Col \$2, implying that actual interventions of US\$ 1,000 million increase the exchange rate in one day by 5.50%. We also find that capital controls have a positive effect.

The views expressed in this working paper are those of the authors, and do not necessarily represent those of the Colombian Central Bank.