AUTHORS AND/OR EDITORS

Arango-Arango, Carlos Alberto Cepeda-López, Freddy Hernán

Publication Date:
Thursday, 9 of June 2016

Even though international authorities encourage open and wide access to large value payment systems, the optimal level of access, or tiering, is still an open question. In the case of real-time gross settlement systems (RTGS), the level of access, or tiering, may be limited by the tradeoff between: (i) potentially

higher liquidity needs of a larger pool of direct participants settling in real time and (ii) the lower counter-party credit risks that result from a lower number of second-tier participants entering in uncovered bilateral credit positions with correspondent banks. Previous literature has evaluated this tradeoff through simulations finding monotonically increasing liquidity savings and increasing credit risk exposures as the level of tiering in the system rises. In contrast, we find that in the Colombian RTGS case liquidity savings increase but then decrease with higher tiering showing a hump shape. Our results provide insights into the effects of tiering when participants are too-big or too-connected to tier.

Updated: 8 September, 2017 at 15:23.