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An interacting network coupling financial institutions' multiplex (i.e. multi-layer) and financial market infrastructures' single-layer networks gives an accurate picture of a financial system's true connective architecture. We examine and compare the main properties of Colombian multiplex and interacting financial networks. Coupling financial institutions' multiplex networks with financial market infrastructures' networks removes modularity, which augments financial instability because the network then fails to isolate feedbacks and limit cascades while it retains its robust-yet-fragile features. Moreover, our analysis highlights the relevance of infrastructure-related systemic risk, corresponding to the effects caused by the improper functioning of FMI's or by FMI's acting as conduits for contagion.

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