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THE EFFECTS OF RESHORING GLOBAL VALUE CHAINS ON CO2 EMISSIONS AND COSTS

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Abstract

Global Value Chains (GVCs) produce millions of tons of CO_2 emissions because of the long transportation distances that must be traveled to complete the chain. However, few researchers have studied and quantified in detail what the environmental consequences of these long chains are. This research is aimed squarely at the environmental effects of GVCs as compared to domestic and reshored supply chains. In this study, we consider the effects on indirect costs derived from GVCs taken in relation to domestic and reshored supply chains. Study results suggest dramatic improvements in both CO_2 emissions and indirect costs derived from the reshoring of some types of GVCs.

Conference Track

Operations, Logistics and Supply Chain Management