Port competition with congestion and accessibility: An interpretive review of recent research

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Abstract

This paper provides a survey of recent studies that examine the interactions between gateway port competition and congestion or accessibility on land-side transportation linking or within the hinterland. Port competition is treated as part of rivalry between two alternative intermodal transportation chains. A general theoretical framework is proposed to incorporate various key components modeled and studied in the literature. Main findings from the analytical literature are summarized and their implications are discussed. Major assumptions which require further empirical verification are identified and discussed. Related empirical studies are reviewed. Issues which have not been well studied empirically but discussed in the theoretical literature have been identified and possible empirical strategies are proposed. Avenues for further research and major difficulties in empirical studies are discussed.

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