

Blockchain-Enabled Circular Supply Chain Management: Framework and Research Agenda

Hau-Ling Chan

Department of Logistics and Maritime Studies, Faculty of Business, The Hong Kong Polytechnic University, Hung Hom, Hong Kong, hauling.chan@polyu.edu.hk

Tsan-Ming Choi

Centre for Supply Chain Research, University of Liverpool Management School, Chatham Building, Liverpool L69 7ZH, the United Kingdom, t.m.choi@liverpool.ac.uk

Shun-Mun Wong

Division of Business and Hospitality Management, School of Professional Education and Executive Development, The Hong Kong Polytechnic University, 9 Hoi Ting Road, Yau Ma Tei, Kowloon, Hong Kong, helen.wong@cpce-polyu.edu.hk

Abstract

Applications of blockchain (BC) to facilitate business operations have recently gained a great attention. However, there is little discussion on the blockchain-enabled circular supply chain management (CSCM) as such application is still in an early stage. To bridge this research gap, we develop a framework to highlight the key elements and benefits that should be addressed and evaluated carefully before its possible implementation. [The work described in this paper is partially supported by a grant from the Research Grants Council of the Hong Kong Special Administrative Region, China (RGC Project No. UGC/FDS24/B01/21).]