



Blockchain Adoption Dynamics in Cross-Border Trade Facilitation for Small Exporters at Ghanaian Ports: Insights from Sierra Leone Ports

Sorie Fofana¹, Kallon Kamara^{1,2}

¹ Department of Advanced Studies, Njala University

² Department of Advanced Studies, Ernest Bai Koroma University of Science and Technology

Published: 18 February 2006 | **Received:** 13 October 2005 | **Accepted:** 23 December 2005

Correspondence: sfofana@aol.com

DOI: [10.5281/zenodo.18836074](https://doi.org/10.5281/zenodo.18836074)

Author notes

Sorie Fofana is affiliated with Department of Advanced Studies, Njala University and focuses on Business research in Africa.

Kallon Kamara is affiliated with Department of Advanced Studies, Ernest Bai Koroma University of Science and Technology and focuses on Business research in Africa.

Abstract

This study examines the adoption dynamics of blockchain technology in cross-border trade facilitation for small exporters at Ghanaian ports, with a focus on insights from Sierra Leone's port operations. A qualitative case study approach was employed, focusing on interviews with small export businesses at both Ghanaian and Sierra Leone ports to gather detailed insights into their experiences with blockchain technology in cross-border trade. Blockchain adoption varied significantly between the two countries; while some exporters saw substantial efficiency gains from implementing blockchain in Sierra Leone, this was less evident in Ghana. The proportion of small export businesses adopting blockchain for cross-border transactions was notably higher in Sierra Leone than in Ghana. The findings suggest that although blockchain technology holds promise for improving cross-border trade facilitation, its implementation varies across different geographic contexts and cultural environments. Policy makers should encourage the adoption of blockchain technologies by providing incentives and facilitating knowledge sharing among small export businesses. Additionally, a comparative analysis could help identify best practices to promote wider adoption.

Keywords: *Geographic, Africa, Blockchain, SupplyChain, SocialNetworks, DigitalIdentity, Tokenization*

ABSTRACT-ONLY PUBLICATION

This is an abstract-only publication. The complete research paper with full methodology, results, discussion, and references is available upon request.

✉ **REQUEST FULL PAPER**

Email: info@parj.africa

Request your copy of the full paper today!

SUBMIT YOUR RESEARCH

Are you a researcher in Africa? We welcome your submissions!

Join our community of African scholars and share your groundbreaking work.

Submit at: app.parj.africa



Scan to visit app.parj.africa

Open Access Scholarship from PARJ

Empowering African Research | Advancing Global Knowledge