

# **INDUSTRY 4.0 AND ITS IMPACT ON SUSTAINABLE SUPPLY CHAIN MANAGEMENT**

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## **ABSTRACT**

In today's globalized world, supply chain management becomes increasingly important but also more and more complex. Facets like global competition, outsourcing to countries with lower wage levels, or short product life cycles lead to the shift from inter-company rivalry to competition between supply chains. Additionally, an increasing number of stakeholders in the supply chain demands the consideration of social and environmental issues throughout the conduct of business. Companies have reacted to these concerns with the implementation of annual reports on their environmental impact, sustainability strategies, or through their codes of conduct. However, these efforts seem mostly uncoordinated, and there emerges a massive gap between the advertised sustainability of supply chains and the actual implementation of sustainable practices. New industry 4.0 technologies can have a severe impact on the sustainable management of supply chains because they affect a supply chain's economic, environmental, and social performance. Due to the novelty of these technologies, there exists little research on their impacts on the supply chain's environmental and social performance. This talk will explore a systematic investigation of the implications of the I4.0 technologies on sustainable supply chain management.