

The Role of Logistics in a Damaged World – Mitigation and Adaptation approaches to Climate Change

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Abstract

Purpose:

Climate change has become one of the most pressing concerns of this generation, with effects on ecological, social and economic systems throughout the world. Mitigation and adaptation have been identified as the main responses for combatting the direct and indirect effects of climate change. Despite this, the wider logistics sector has not yet identified specific mitigation or adaptation approaches for reducing and alleviating the effects of greenhouse gas emissions. In order to close the gap in knowledge on this subject, the gap needs to be recognized first. This paper will therefore provide a systematic review of the existing literature on mitigation and adaptation approaches to climate change from a logistics perspective.

Design/Methodology/Approach:

The paper will follow the general guidelines of systematic literature reviews and will be conducted according to a pre-set methodology and design. The research strategy and inclusion criteria will consist of a set of fixed databases from which literature will be drawn, a set of fixed key words used as search terms for finding relevant literature, and a set search field including only titles, abstracts and keywords of literature. The time horizon of literature will be confined between the years 2010 to 2020. A combination of published academic articles and grey literature publications will be included in this review.

Findings:

The research aims to identify and close the gap in knowledge that exists regarding the effects of mitigation and adaptation approaches on logistics activity and the logistics industry. There has been limited academic research conducted in this field, so this paper will also address how academic literature relates to published grey literature on the topic of climate change in logistics activity.

Research Limitations/Implications:

This study will involve limited risk and ethical issues, due to the nature of the study using existing literature.

Originality and Value:

The paper will be unique and valuable to the logistics industry because it will consolidate the existing knowledge on mitigation and adaptation approaches to climate change through a systematic review process of current literature. This research will ultimately provide insight into the gaps in the knowledge that need to be addressed further.

Climate change, Mitigation, Adaptation, Logistics.