

City Carbon Footprint Adaptation on Green Supply Chain and Logistics of Food Production and Consumption: Case Study of Yasothon Municipality

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Abstract

Over past decade the human activity has been affected toward environmental. The economic and industry expansion are the main factor which lead to the consequently effect consist. The decline of urban environment in many cities and they are all facing challenges of unsustainable development. As huge energy consumers and pollutant emitters, cities should play a key role in controlling the world GHG emissions. In Yasothon municipality, there are highly consuming of papaya but no found of the city farming lead to the highly import of products. Those are the cause of unsustainability and global warming. This research evaluated the city carbon footprint through papaya supply chain and developed green supply chain and logistic model, which is the modern practices for reduce the environmental externalities. The empirical model adopts green vehicle routing problem which establish by GIS software. Our findings suggest optimizing quantity of import product and in-city manufacture. In addition, the optimize route of transporting for least GHG emission.

Keywords

Green supply chain, Green logistics, Optimize

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Biographies

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