



The Role of Local Supply Chains in Supporting Sustainable Tourism Development

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Abstract

Sustainable tourism is the most important part of preserving natural and cultural resources. Sustainable tourism development also helps to promote long-term economic benefits. One of the most important elements of sustainable tourism is the involvement of the local supply chain which not only allows for sustainable tourism development but also contributes to the local communities. This qualitative research explores the role of the local supply chain in supporting sustainable tourism development. This study also highlights community participation, encouraging business practice, provide a unique experience for tourists with sustainable concepts. Monitoring and evaluating the role of local supply chains can help refine the rules and improve the results. By implementing a local supply chain government can create a sustainable and equitable tourism sector.

Keywords: Local supply chain, Tourism, Development, Transport, Supplier

Introduction

Logistics and supply chain practices can increase the support of sustainable tourism as well as the tourist experience. Some factors like service quality and reduced operational costs can be enhanced by supply chain practices. Chain between various tourism stakeholders and local suppliers can enhance the tourist experience. (Krishna Kumar Mishra, 2024). Supply chain management and information and communication are the supporting factors to develop the tourism and hospitality industry. Accommodation, transport, restaurants, handicrafts, food preparers, and supporting infrastructure are the common components of the tourism supply chain. The tourism supply chain the main benefits of it to reduce, reusing, and recycling consumable goods from the tourism industry (Viswanathan, 2020).

Tourism food business forward sustainability through the local food supply chain. Owners and managers of small tourist food businesses and their values and authentic lifestyles are integral to their responsible business practices. Although implementing sustainability is a challenge for construction constrain. Potential Local identity and contribution to the Sustainability of Tourist Destinations (Marylyn Carrigan, 2017). Supply chain management is important for tour operators to ensure the sustainability at tourist place. Tour operators can contribute more effectively to sustainable tourism by identifying and implementing policies that recognize their responsibility for the impacts of their local suppliers. (Xavier Font).

Customers are contributing to sustainability in the tourism sector at different points in the supply chain by using social media. (Sigala, 2014). Practices in the supply chain in the tourism industry can be better connecting different tourism destinations. Sustainable supply chain management practices in the tourism industry can be focused more on creating actors like tour operators, hotels, and transport providers. (Maria Topp, 2022).

The supply chain in the tourism industry can be improved through the circular economy approach that reduces waste, reuses resources, and recycles materials. The tourism industry missed the opportunities of the supply chain in the tourism area. Local supply chain in the tourism sector (Sterren, 2021). Tourism is one of the important industries globally. The tourism industry is increasing with the attention of economic, social, and environmental impacts. Sustainable tourism combines with the balance of tourists, host communities, and the environment which ensures a long-lasting effect. Development of the local supply chain is an important part of sustainable tourism development with demand and services that minimize the carbon footprint and develop the local economic condition.

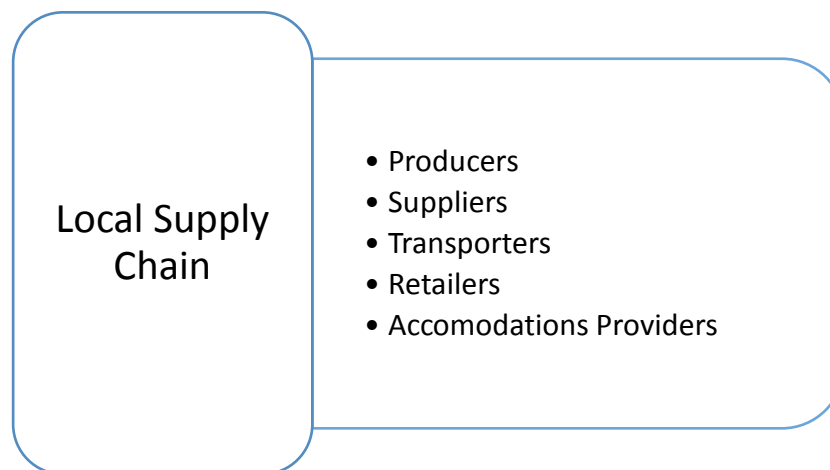


Figure 1. Elements of local supply chain

Local supply chains often include farmers, artisans, producers, etc. Local supply chains can reduce reliance on imported products, Local supply chains support the local economy and help to preserve the cultural heritage.

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This study aims to understand how local supply chains contribute to sustainability in the tourism industry and the potential benefits for local communities and tourists.

Literature Review

21st century people are facing global crisis and deglobalization, for this situation local supply chain needs to strengthen to support sustainable tourism. In the hotel industry the procurement managers always expect increased the demand for local suppliers and reduced business operations due to taxes. Only local suppliers can meet the demand for hotels as a global supply chain. (Kesar, 2022).

Local supply chains well as local farmers' hotel chains can improve linkage and retain tourism benefits in the local community. The local supply chain builds a strong relationship between local suppliers and the hotel industry which helps to develop tourism sustainability (Kimberly Thomas-Francois, 2018). Local food supply chain including value co-creation, relationship can contribute to the linkage between agriculture and tourism. Strengthen the local farmers and the service can help to increase sustainable tourism. Local government plays an important role in the sustainable tourism industry to enhance the local supply chain, Local government can promote tourism and the local supply chain. (Ruhanen, 2013).

All stakeholders can get benefits from the local and sustainable food by the local supply chain and they can promote sustainable tourism. Local sourcing helps to improve the quality of food and beverage which also helps to improve the hotel industry quality. Preservation of nature and culture and the potential for a marketable brand image and regional identity local sourcing (Yıldız, 2017).

Local food supply chains in restaurants impact food experience and destination branding. A sustainable local food supply chain had a positive effect on tourist consumption value. Tourism-positive experience builds good relationships between sustainable local supply chains and branding destinations. (Omar Alsetoohy, 2021). Tourism industry businesses need to address the supply side and the demand side to run their smooth activities and progress towards sustainable tourism. Strong signal and coordination between the supply chain and demand sides to achieve sustainable tourism (Richard Welford, 1999).

Local food counts as authentic food which helps the tourist to appeal more authentically. Local supply chain plays an important role in enhancing the sustainable tourism experience by appealing to tourist desires. Local supply chains as well as local food can enhance the tourist's positive experience with the place of culture and heritage. (Sims, 2009). The three most important elements of the local supply chain host community, environment, and local suppliers can contribute to the enhancement of sustainable tourism. For tourism enterprises local supply chain is the most important element. Sustainable hospitality supply chain management across environmental, economic, and social these is the conceptual framework for the local supply chain. (Xun Xu, 2014).

Organizations' values of sustainability and responsible volunteering are the main drivers for achieving sustainable tourism. (Claudia Eckardt, 2022). According to UNWTO, tourism takes full account of its present and future impacts on economic, social, and environmental issues. The local supply chain is most important for sustainable tourism development because it is directly involved in providing goods and services. Local sourcing helps to minimize carbon emissions and support the local economy. It also helps to preserve the cultural heritage. Local supply chains reduce the ecological footprint of tourism by promoting the use of local products and services such as food, handicrafts, and local transport. The Local supply chain helps increase local people's job opportunities and reduce poverty in small communities. By investing in local businesses tourism planners can create a more environment-friendly and resilient economy.

Lack of proper infrastructure and capacity within the local communities are the main obstacles to meeting the demand for goods and services. Insufficient coordination between suppliers is also one kind of obstacle. A successful sustainable tourism development often relies on the relationship between local government and private tourism operators and the community. Stakeholders can make a strong local supply chain and improve the quality of sustainable products and services for tourists.

Research Method

In this paper, qualitative methods approach to explore the role of local supply chains in supporting sustainable tourism development. Data was collected from recent research papers on the role of local supply chains in supporting sustainable tourism development. It also describes the link between the local supply chain and sustainable tourism. The methodology involves analyzing the relationship between the local supply chain and how influences sustainable tourism development. Discuss the potential role of the local supply chain with sustainable tourism based on secondary data.

Result and Discussion:

This research underscores the importance of local supply chains in supporting sustainable tourism. This focuses on local sourcing, tourism operators as well as the local government. They can reduce the environmental footprint of the tourism sector.

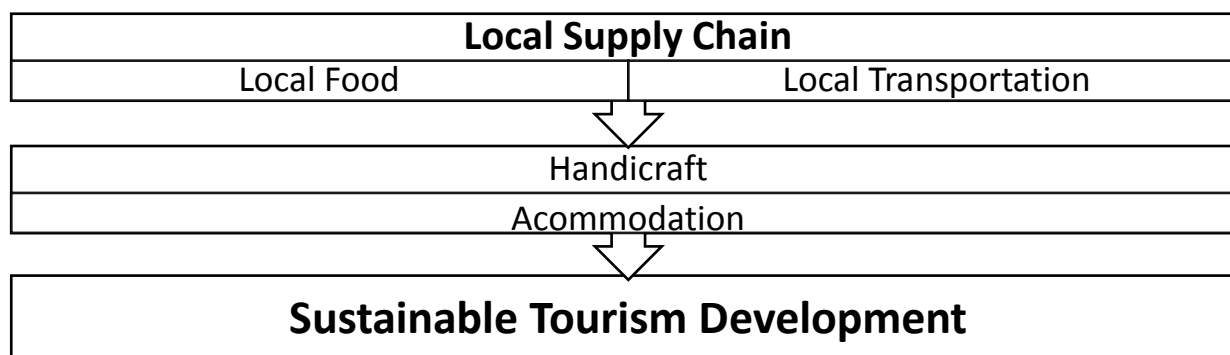
Table 01: Local Supply Chain, Benefits and Challenges.

Local Supply Chain	Variables	Results
Local Sourcing and Environmental Impact	LSEI	Supports the preservation of local biodiversity
Economic Benefits and Community Empowerment	EBCE	Create long-term, sustainable jobs and encourage the retention of traditional skills and knowledge.

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Collaboration Among Stakeholders	CAS	Training programs and tourism certification schemes helped local suppliers improve their offerings and connect with tourism businesses.
Challenges of Developing Local Supply Chains	CDLSC	struggle to meet the high volume and seasonal demand generated by tourism.

Table 02: Relationship Between Local Supply Chain and Sustainable Tourism Development



Local supply chains play an important role in sustainable tourism by enhancing visitor positive experiences, highlighting economic benefits for communities, and promoting sustainable practices. Efficient logistics and supply chain management contribute to improved service quality, reduced costs, and increased customer satisfaction in the tourism sector. The tourism supply chain combined with various elements like accommodation, transport, and local suppliers, is important for delivering sustainable performance improvements. Small tourist food businesses, driven by authentic lifestyles and rewards, act as elements for social change and support ethical and sustainable food chains, strengthening their sense of destination ownership. Local supply chains can contribute to sustainable tourism by implementing policies that acknowledge responsibility for supplier impacts, as their products depend on the activities of various suppliers throughout the supply chain.

Conclusion

Local supply chains are important to the development of sustainable tourism. They not only create environmental sustainability but also help to create the job opportunity for the local people. Although there are some obstacles it is possible to overcome these kinds of obstacles. The potential of the local supply chain must be a collaboration between local stakeholders including government, tourism operators, and local suppliers. Future sustainable tourism depends on the local supply chain which can be utilized by the local government.

References

- Claudia Eckardt, X. F. (2022). Collaborations in volunteer tourism. *Current Issues in Tourism*, 25(8), 1341-1355 . doi:<https://doi.org/10.1080/13683500.2021.1955842>
- Kesar, O. (2022). Building a Resilient Local Economy: The Influence of Global Crises on Deglobalization of the Tourism Supply System. *Zagreb International Review of Economics and Business*, 25(1), 105 - 123. doi:<https://doi.org/10.2478/zireb-2022-0027>
- Kimberly Thomas-Francois, M. J. (2018). Improving Linkages Through a Service-oriented Local Farmers–Hotel Supply Chain—An Explanatory Case in Grenada. *Tourism Planning & Development*, 15(4), 398-418. doi:<https://doi.org/10.1080/21568316.2017.1338200>
- Krishna Kumar Mishra, D. C. (2024). ENHANCING TOURISM EXPERIENCES THROUGH EFFICIENT LOGISTICS AND SUPPLY CHAIN PRACTICES. *ShodhKosh: Journal of Visual and Performing Arts*, 5(5). doi:<https://doi.org/10.29121/shodhkosh.v5.i5.2024.3616>
- Maria Topp, S. S. (2022). Sustainable supply chain management in tourism: a systematic literature review. *Supply Chain Forum: An International Journal*. doi:<https://doi.org/10.1080/16258312.2022.2085504>
- Marylyn Carrigan, J. L. (2017). Burgers for tourists who give a damn! Driving disruptive social change upstream and downstream in the tourist food supply chain. *Journal of Sustainable Tourism*, 1563-1582. doi:<https://doi.org/10.1080/09669582.2017.1291652>
- Omar Alsetoohy, B. A.-K. (2021). COVID-19 Pandemic Is a Wake-Up Call for Sustainable Local Food Supply Chains: Evidence from Green Restaurants in the USA. *Sustainability*. doi:<https://doi.org/10.3390/su13169234>
- Richard Welford, B. Y. (1999). Tourism and sustainable development: an analysis of policy and guidelines for managing provision and consumption. *Sustainable Development*. doi:[https://doi.org/10.1002/\(SICI\)1099-1719\(199911\)7:4%3C165::AID-SD117%3E3.0.CO;2-F](https://doi.org/10.1002/(SICI)1099-1719(199911)7:4%3C165::AID-SD117%3E3.0.CO;2-F)
- Ruhanen, L. (2013). Local government: facilitator or inhibitor of sustainable tourism development? *Journal of Sustainable Tourism*, 21(1), 80-98. doi:<https://doi.org/10.1080/09669582.2012.680463>
- Sigala, M. (2014). Customer Involvement in Sustainable Supply Chain Management: A Research Framework and Implications in Tourism. *Cornell Hospitality Quarterly*, 76-88. doi:<https://doi.org/10.1177/1938965513504030>
- Sims, R. (2009). Food, place and authenticity: local food and the sustainable tourism experience. *Journal of Sustainable Tourism*, 17(3), 321-336. doi:<https://doi.org/10.1080/09669580802359293>
- Sterren, J. v. (2021). Sustainable supply chains in travel and tourism: towards a circular approach. In *Academy for Tourism Centre for Sustainability, Tourism and Transport (CSTT)* (pp. 190-203). Edward Elgar Publishing Limited. doi:<https://doi.org/10.4337/9781839100895>

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- Viswanathan, P. (2020). SUSTAINABLE TOURISM SUPPLY CHAIN AND ICT ROLE IN SUSTAINABLE CONSUMPTION AND PRODUCTION HOSPITALITY. *BSSS Journal of Management*, 11(1), 96-111. doi:<https://doi.org/10.51767/jm1105>
- Xavier Font, X. F. (n.d.). Sustainable supply chain management in tourism. *Business Strategy and the Environmnet*, 2006. doi:<https://doi.org/10.1002/bse.527>
- Xun Xu, D. G. (2014). A Conceptual Framework of Sustainable Hospitality Supply Chain Management. *Journal of Hospitality Marketing & Management*. doi:<http://dx.doi.org/10.1080/19368623.2014.909691>
- Yıldız, Ö. E. (2017). Sourcing Local and Sustainable Tourism: The Case of Yesilyurt. *International Journal of Contemporary Economics and Administrative Sciences*, 7. doi:<http://orcid.org/0000-0002-0777-8574>