

**Simon Schäffer**

# Reducing Food Waste in future Retail. Trends and Implications for Operations Strategy

**Master's Thesis**

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# **Reducing food waste in future retail – trends and implications for operations strategy**

By  
Simon Schaeffer

**Dissertation**

Submitted to  
The University of Liverpool

in partial fulfilment of the requirements  
for the degree of

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Business Analytics and Big Data

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I hereby declare that this submission is my own work and that, to the best of my knowledge and belief, it contains no material previously published or written by another person nor material which to a substantial extent has been accepted for the qualification of any other degree or diploma of a University or other institution of higher learning, except where due acknowledgement is made.

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## List of Abbreviations

**CPGs:** Consumer Packaged Goods

**CSR:** Corporate Social Responsibility

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**ECR:** Efficient Customer Response

**EFSA:** European Food Safety Authority

**FAO:** Food and Agriculture Organization of the United Nations

**FLI:** Food Loss Index

**FLW:** food loss and waste

**FSC:** food supply chain

**FWI:** Food Waste Index

**GHG:** greenhouse gas

**IoT:** Internet of Things

**KPI:** Key Performance Indicator

**NRBV:** Natural Resource-Based View

**RFID:** Radio-Frequency Identification

**SDG:** Sustainable Development Goal

**STS:** Ship-To-Store

**TTI:** Time-Temperature Indicator

**VMI:** Vendor-Managed Inventory