

## Safety and circularity

### Relationship between economy, traffic safety, customer satisfaction, climate and environment in bus transport

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Results show that economic driving style is associated with lower fuel consumption in bus transport (between 5 and 15% reduction when companies start implementing measures). Anecdotal examples indicate corresponding savings related to maintenance. A fleet management system that registers driving style (sudden acceleration and deceleration) is the most important measure related to economic driving. Results suggest that an economic driving style is associated with lower accident risk, as drivers with the highest score in the fleet management system have almost half the accident risk of drivers with low and medium scores. The results also seem to indicate that an economic driving style is associated with higher passenger comfort. Multivariate analyses suggest that scores in the fleet management system are related to the bus drivers' driving style, which in turn is related to accident involvement. The drivers' active use of the fleet management system (checking scores, working to improve scores) predict their scores in the fleet management system. The drivers' active use is in turn related to the bus operators' environmental management (management focus on economical and safe driving style). In other words, the bus operators can influence the drivers' involvement in accidents through focusing on a soft driving style.