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Towards a More Sustainable Passenger Transport: Management of Disutility Related to Environmental Impacts

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Abstract

Passenger Transport (PT) imposes disadvantages (disutilities) to its users. One of these disutilities is the environmental impact caused by greenhouse gases emissions from PT vehicles, specifically CO₂, the main cause of global warming. This paper aims to show ways to manage this disutility, drawing from Brazilian experience, using two freely available planning tools: (i) reduction in the consumption of fossil fuels in Public Transport vehicles by the substitution of buses, and (ii) changes of modal-split (modal share).

Keywords: *passenger transport; disutilities; management of environmental impacts; public transport; modal-split*
