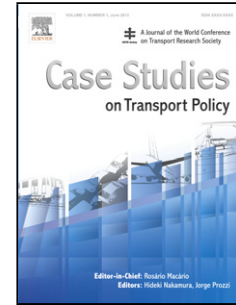


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Energy intensity of road freight transport of liquid fuels for automotive use in Ecuador: Assessment of changes in logistics

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Highlights

- We propose a methodology for the calculation of the energy intensity associated with the road transportation of liquid fuels in Ecuador.
- The intensity indicator is defined by three parameters: fuel economy, distance travelled and load carried.
- Energy intensity is estimated for the current conditions of our case study and it is also assessed for four alternative scenarios: redistribution of load assignments, improvement in fuel economy, introduction of a new terminal and all schemes combined.
- Savings are accounted for all schemes in terms of economic benefits, energy consumption and greenhouse gas emissions.

Abstract

In Ecuador, liquid fuels are transported through a system of oil pipelines and tank wagons. The first

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