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Increased Efficiency in the Second-Hand Tire Trade Provides Opportunity for Dengue Control

Emilene Pliego Pliego, Jorge Velázquez-Castro, Markus P. Eichhorn, Andrés Fraguela Collar

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Highlights

- A model to assess the importance of tire transportation in Dengue outbreaks is proposed.
- Persistent dengue states can be induced due to tire trade, regardless of whether favourable environmental conditions are met for an outbreak.
- The proposed model suggests that tire-trade regulation may be beneficial in reducing the Dengue spread.
- Particular regulation strategies for the trade in second-hand tires play an important role in the control of the disease.

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