

# Road Pricing for Luxembourg

*Should Luxembourg introduce road user charges?*

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**Abstract**

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# 1 Introduction

## 1.1 Reasons for choice

Road pricing is a personal interest of mine. Since I am an avid cyclist, I dislike overly congested streets. They pollute the air and waste many people's time.

## 1.2 Outline

- Reasons for road pricing
  - Traffic jams
  - Accidents
  - Pollution
  - Government income
- Probe elasticity of automobile usage in Luxembourg
- Explore changes in behaviour as a result of road pricing
  - Impact on traffic jams
  - Impact on accidents
  - Impact on pollution
- Explore impact on individual social classes
- Will a congestion charge increase social inequality?
- Complications and issues to be resolved
  - Will delivery services be exempt from the tax?
  - Compare to other cities
  - Costs vs benefits
  - What methods to use to enable and enforce charges?
  - Political viability and public opinion
  - Impact of the “frontaliers”

### **1.3 Hypothesis**

- Introducing a road user charge will have an overall positive outcome due to it decreasing automobile use, thus decreasing negative factors such as pollution and time waste through traffic jams

## **2 Road Pricing - Literature Review**

### **2.1 A brief History of Road Pricing**

First road pricing scheme in Singapore ~ [1]

### **2.2 The Current State of Road Pricing**

#### **2.2.1 Globally**

- Cities that have implemented road pricing:
  - London
  - Stockholm
  - Singapore
  - Milan

#### **2.2.2 In Luxembourg**

- Traffic jams
- Accidents
- Pollution

### 3 Data

### 4 Results

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### 5 Discussion

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### 6 Conclusion

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## 8 RPPF