



# ***Active Transport to School in the Morning: A Snapshot in Four Canadian Cities***

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# Outline

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1. A protocol to collect data on school mode of transport in the morning
2. Results
  1. Transportation modes
  2. LICO and Walkability
3. Discussion

# 1. Our protocol

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- **Step 1: sample schools according to 2 variables:**

- % Low-Income Cut-off (LICO) for the census tract of the school (from Statistics Canada)
- Walkscore of the school (from their Website)
- Median used as a cut-off point for low/high of both variables.

	High % LICO	Low % LICO
High Walkability score	Sample A: 	Sample B: 
Low walkability score	Sample C: 	Sample D: 

# 1. Our protocol

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- **Step 2: Collect data: in-person counts**
- Counting tool from a previous project (thanks to Linda Rothman!)
  - Adaptation + paper forms or Ipad (Survey 123)
- Multiple teams in each city, minimum of 2 students
- Schedule: 20 minutes before the beginning of the school + 5 minutes after (total 25 minutes of counting)

# 1. Our protocol: Survey 123

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09:52 Mar. 13 nov. 72%

**My Survey**

Observer: \*  
First name

Observer location: \*  
Indicate side of the school  
 North  South  East  West

Date: \*  
Date

▼ **Counts**

Car occupants:

Pedestrians:

Bicycles/tricycles:

Scooters/roller blades:

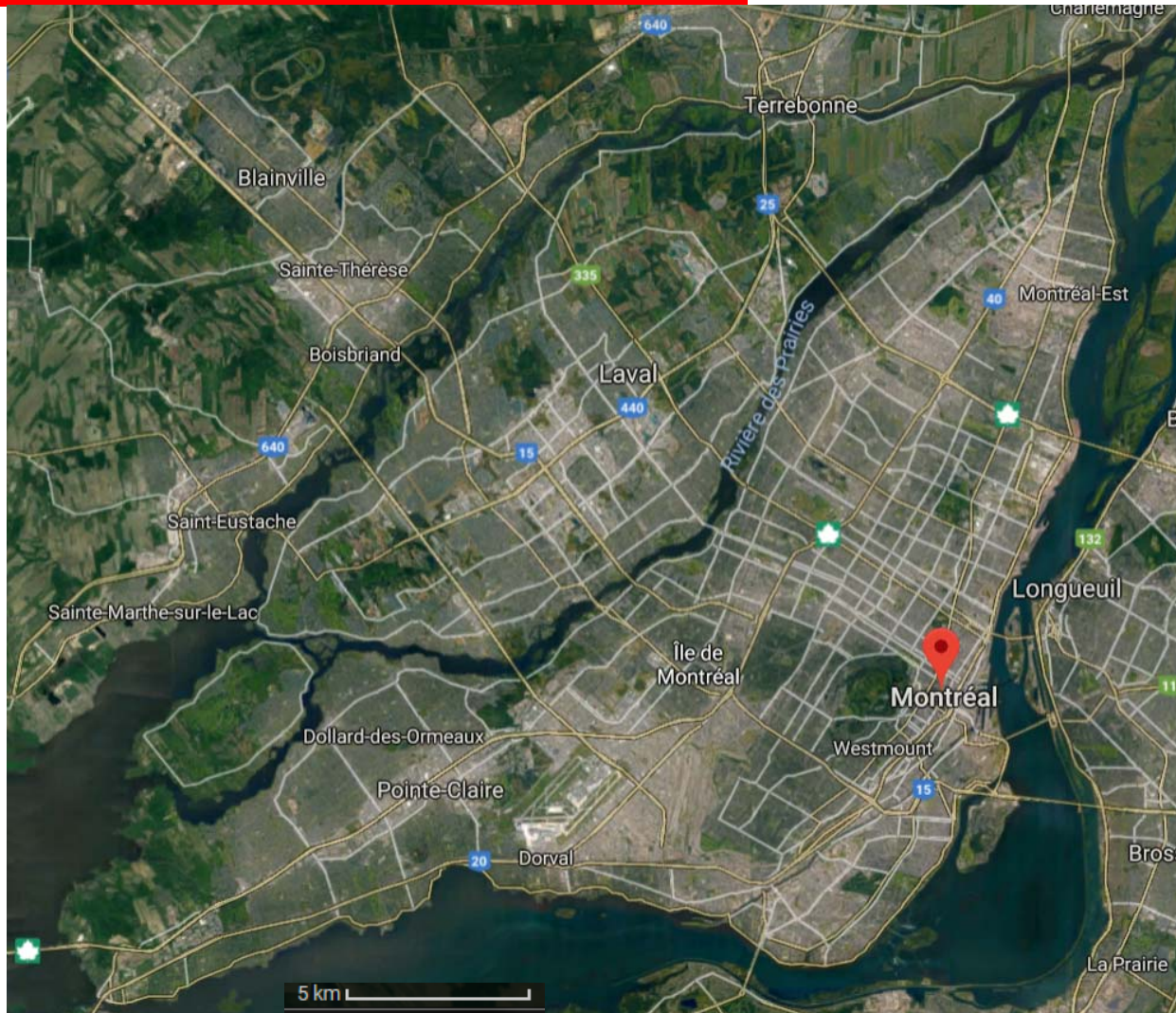
Abnormal travel mode count day:  
 Yes  No

% Confidence in counts:

**General impressions**  
Please list anything important that happened, how easy/hard it was to complete this school, and anything else you have noticed while completing observations

✓

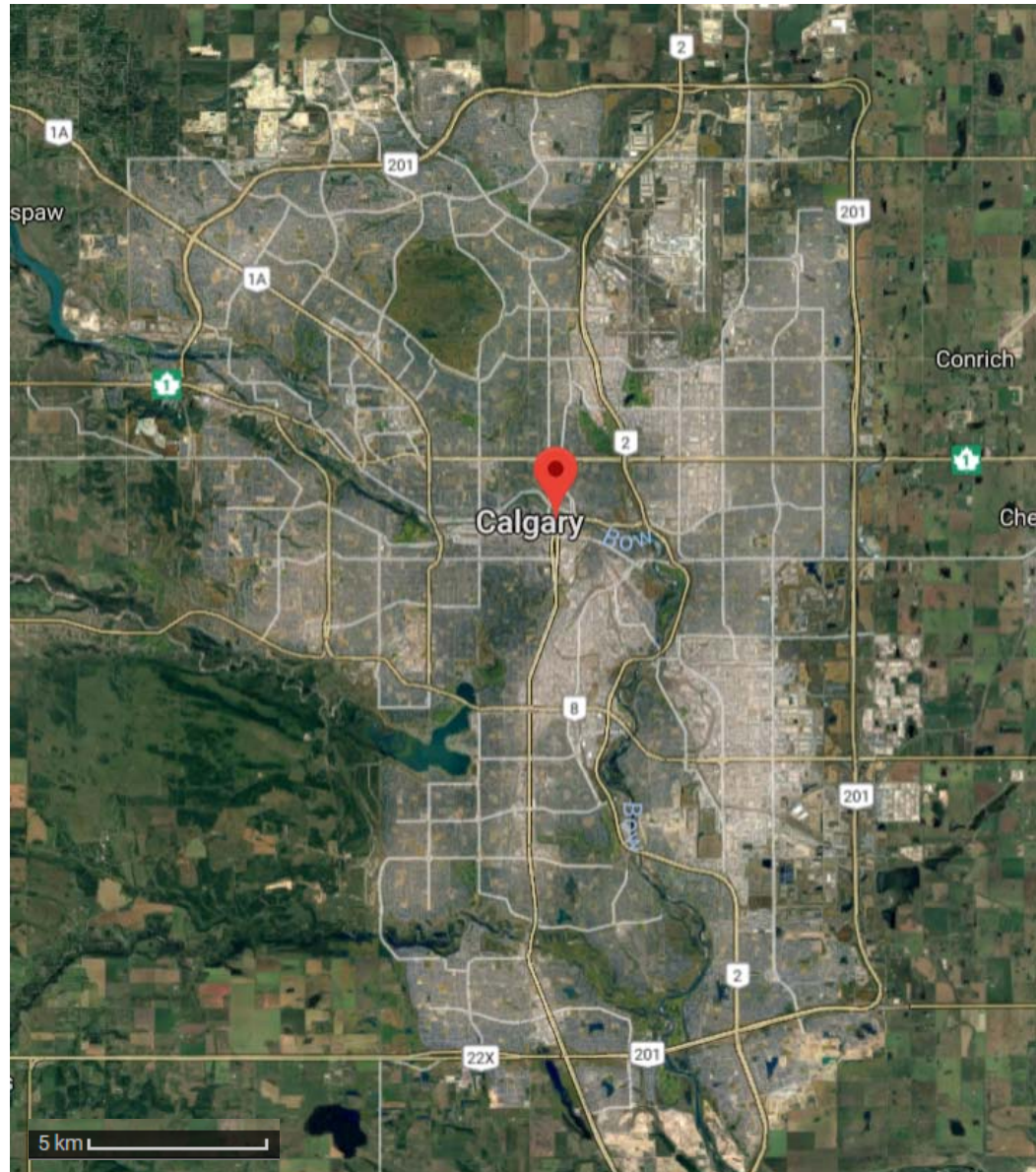
# 1. Our protocol: Montreal (60 schools) and Laval (12)





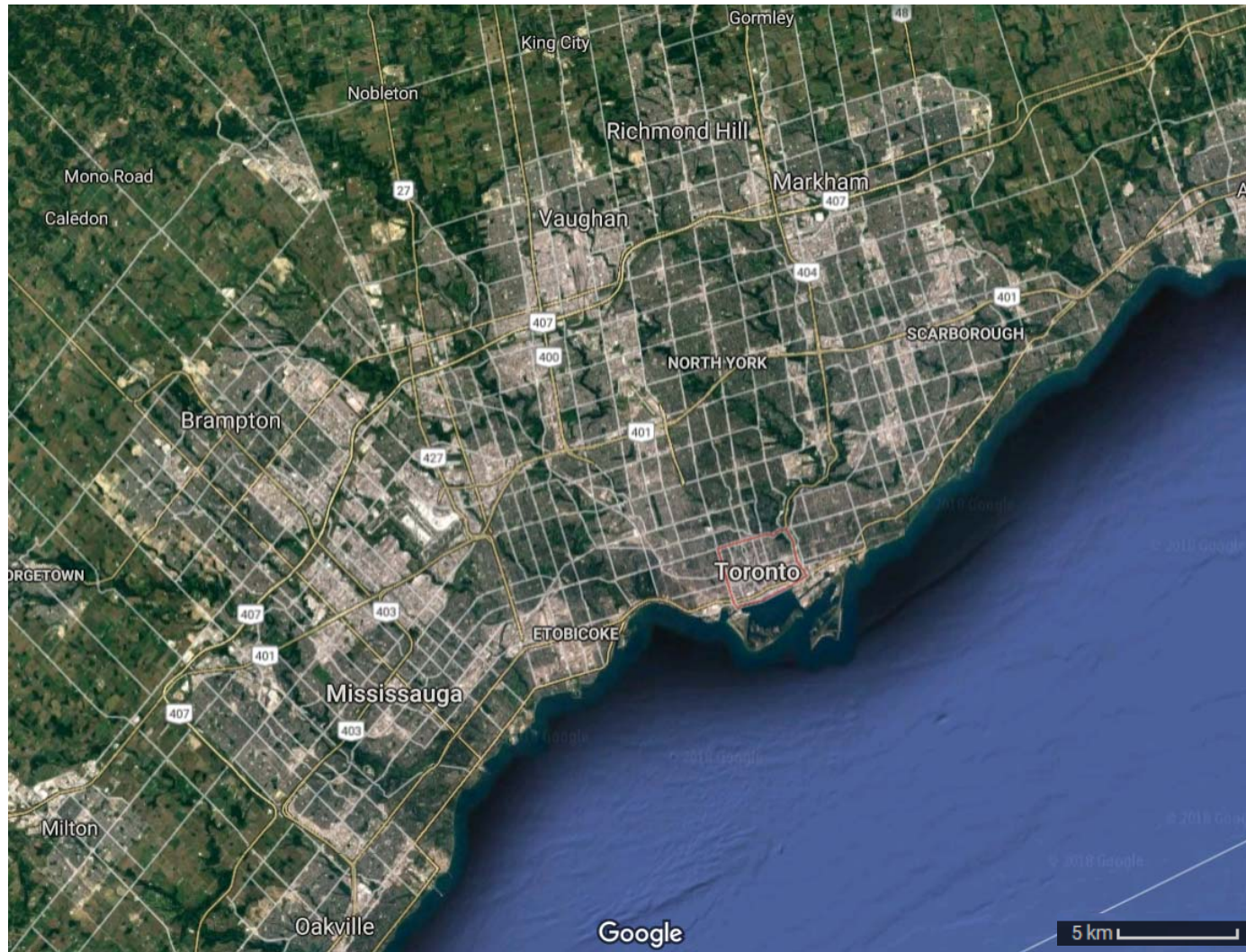
# 1. Our protocol: Calgary (125 schools)

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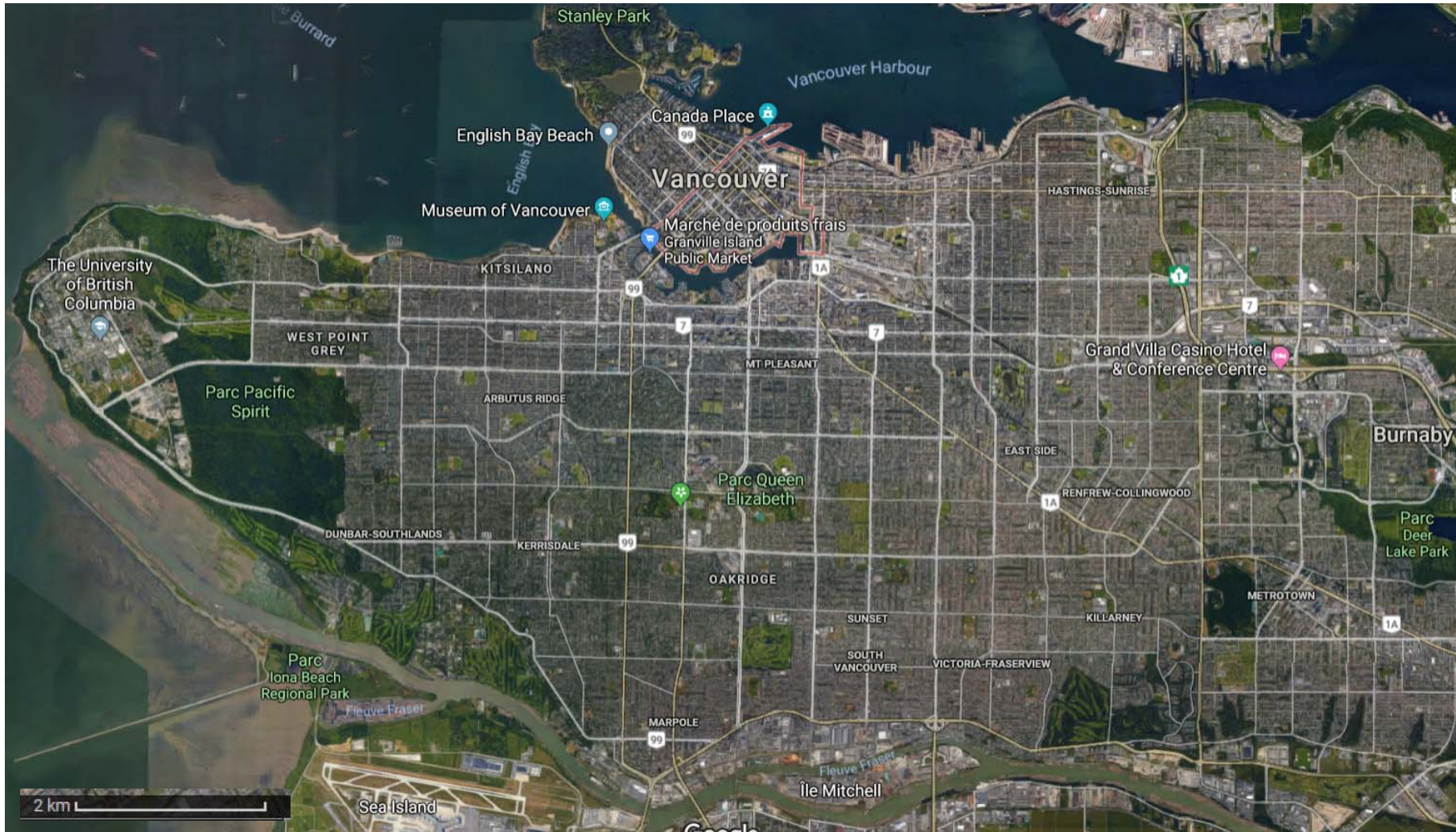
# 1. Our protocol: Toronto (76 schools) and Peel (36 M + 35 B)

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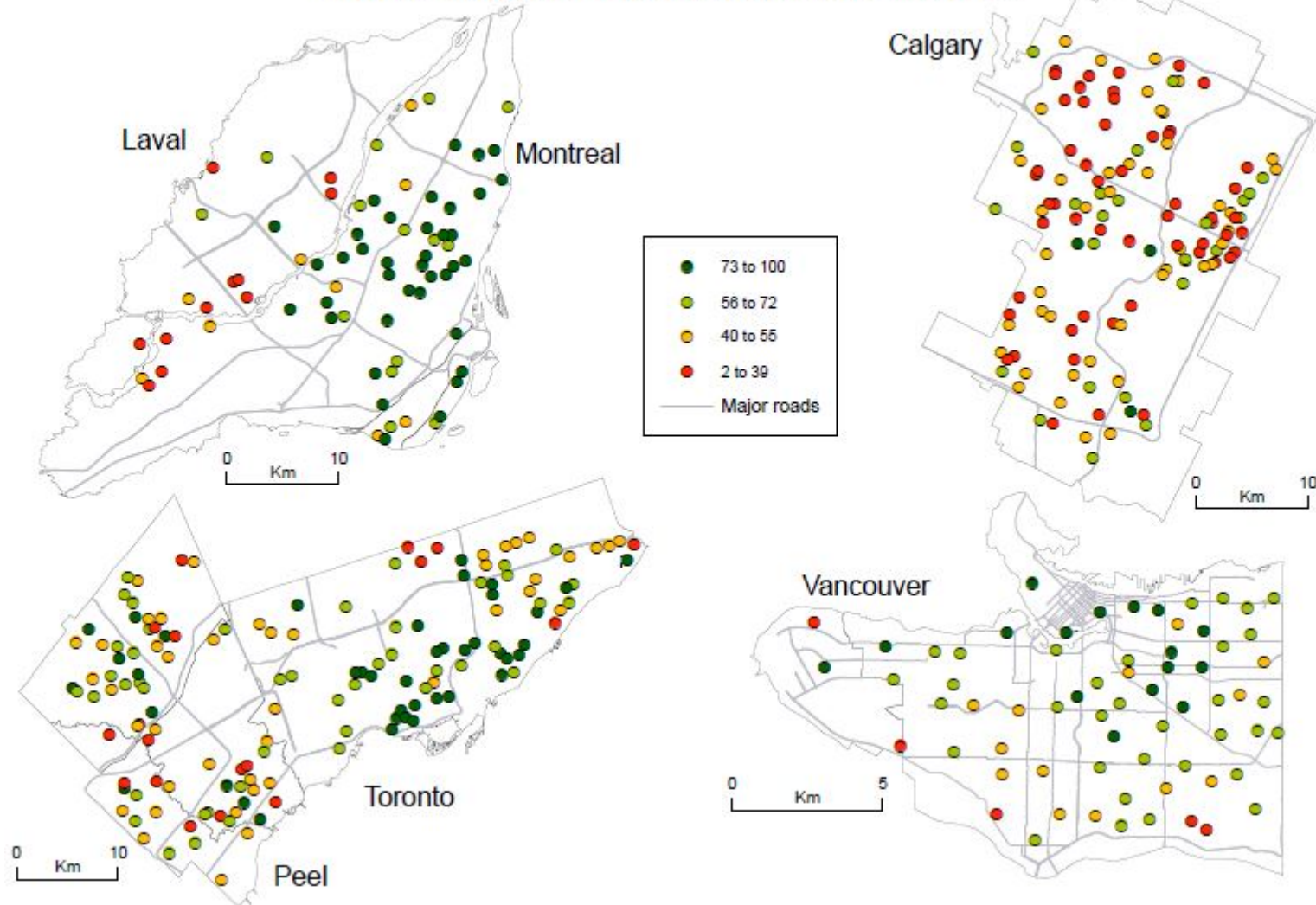
# 1. Our protocol: Vancouver (67 schools)



# 2. Results:

kids walking  
or cycling  
to school

Percentage of observed childrens using active transport to go to school in the morning in 4 canadians cities, 2018.



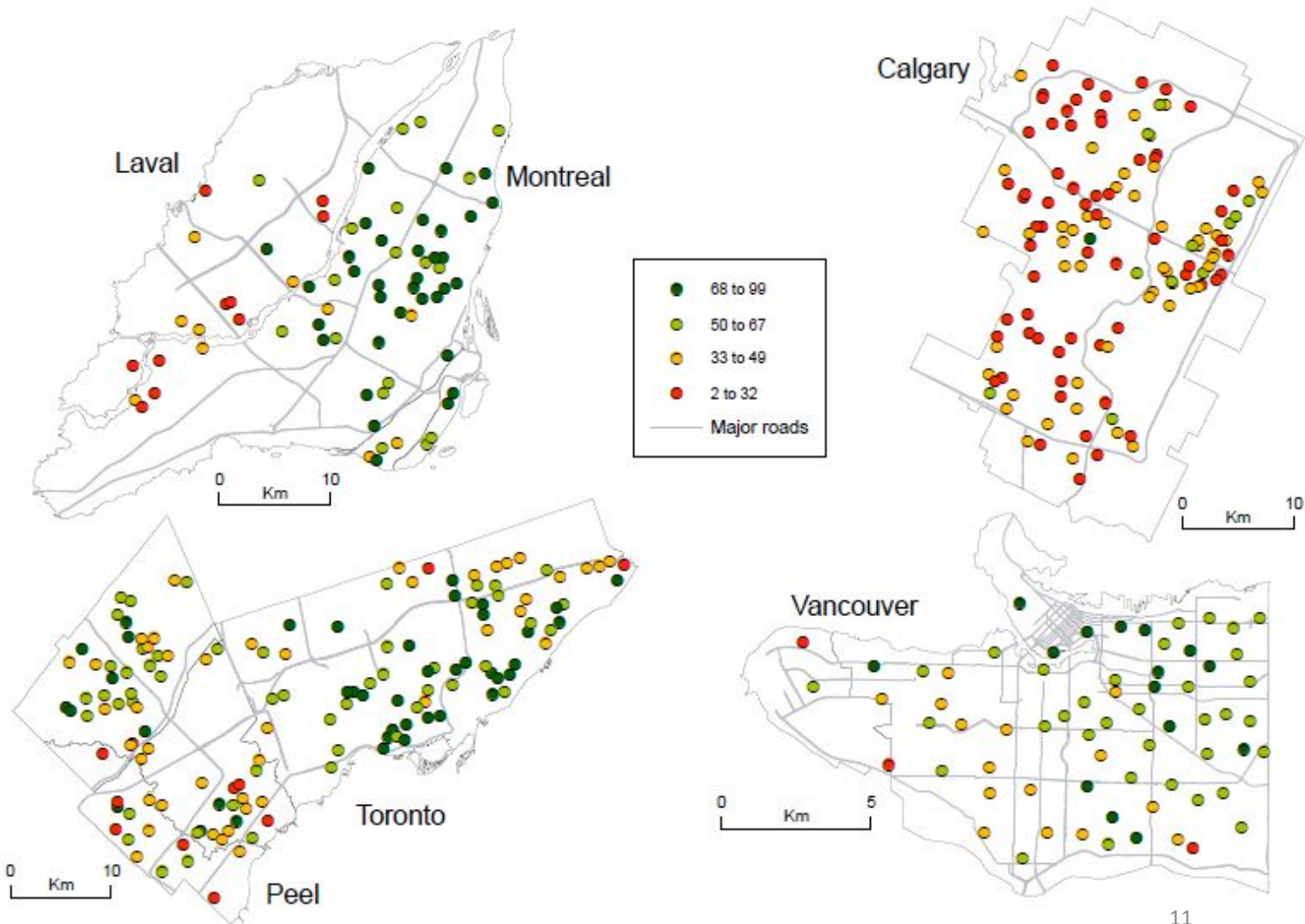
Sources : ©The CHASE project, 2018 ; Statistics Canada, 2016.

©The CHASE project, Author: INRS, S.Desrosiers Gaudreau, 2018.



# 2. Results: kids walking to school to school

Percentage of observed children walking to school in the morning in 4 Canadian cities, 2018.

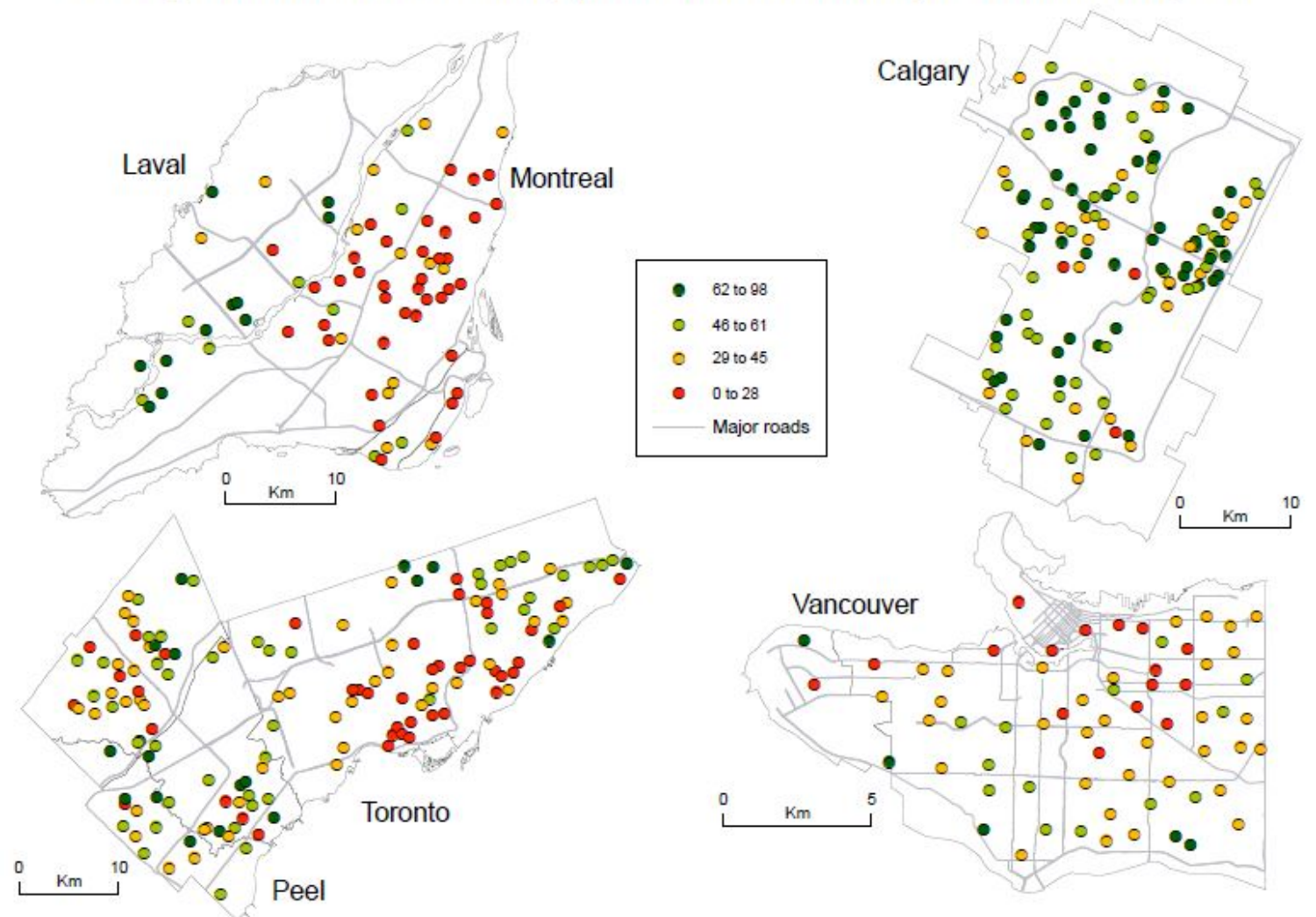


Sources : ©The CHASE project, 2018 ; Statistics Canada, 2018.

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# 2. Results: kids driven to school

Percentage of observed children arriving by car at school in the morning in 4 Canadian cities, 2018.

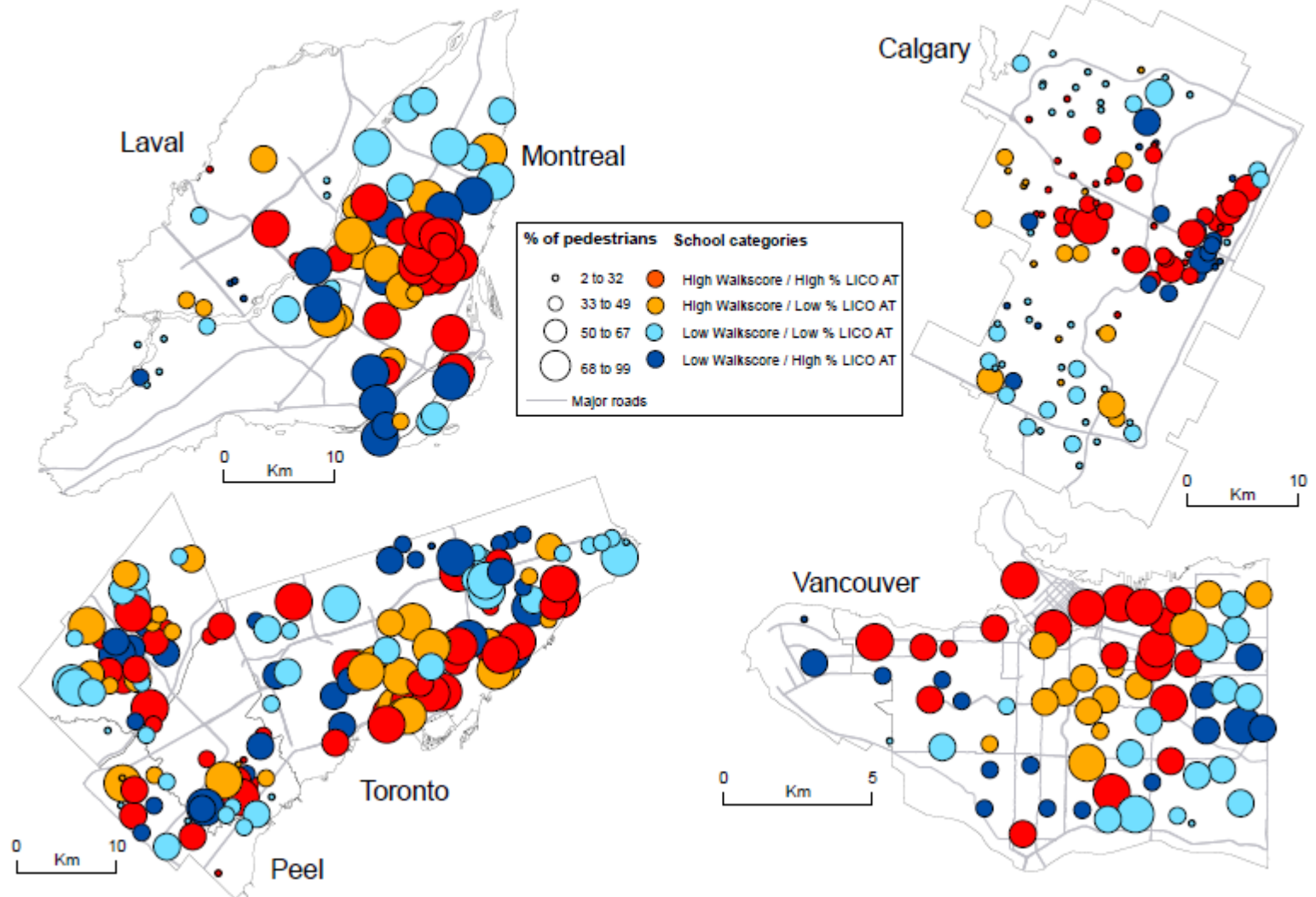


Sources : ©The CHASE project, 2018 ; Statistics Canada, 2016.

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Percentage of observed children walking to school in the morning according to the Walkscore and % LICO AT of the school in 4 Canadian cities, 2018.



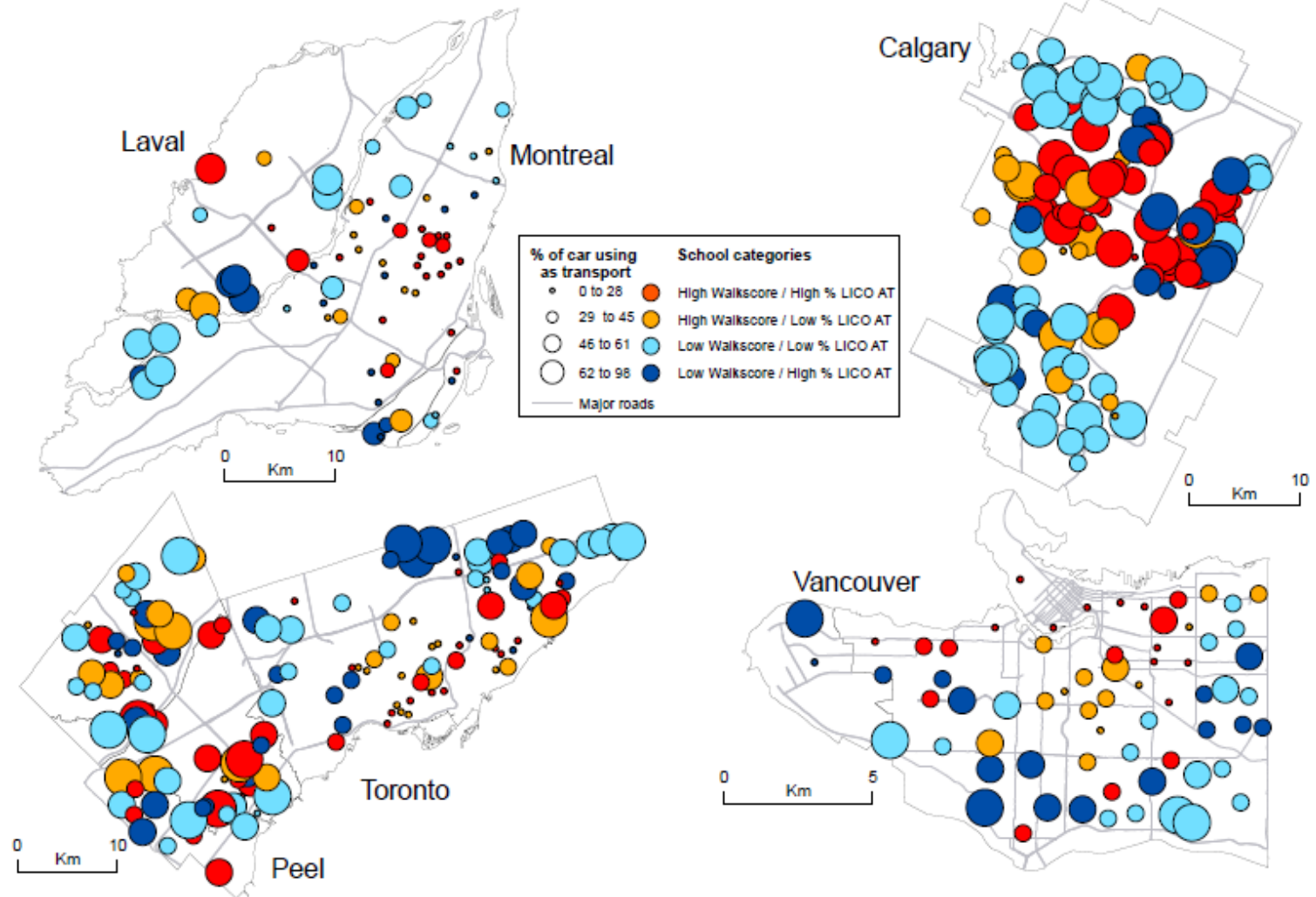
Sources : ©The CHASE project, 2018 ; Statistics Canada, 2016.

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2. Results:  
 kids walking to school per LICO and walkscore

Percentage of observed children arriving by car at school in the morning according to the Walkscore and % LICO AT of the school in 4 Canadian cities, 2018.

2. Results:  
 kids driven to school per LICO and walkscore

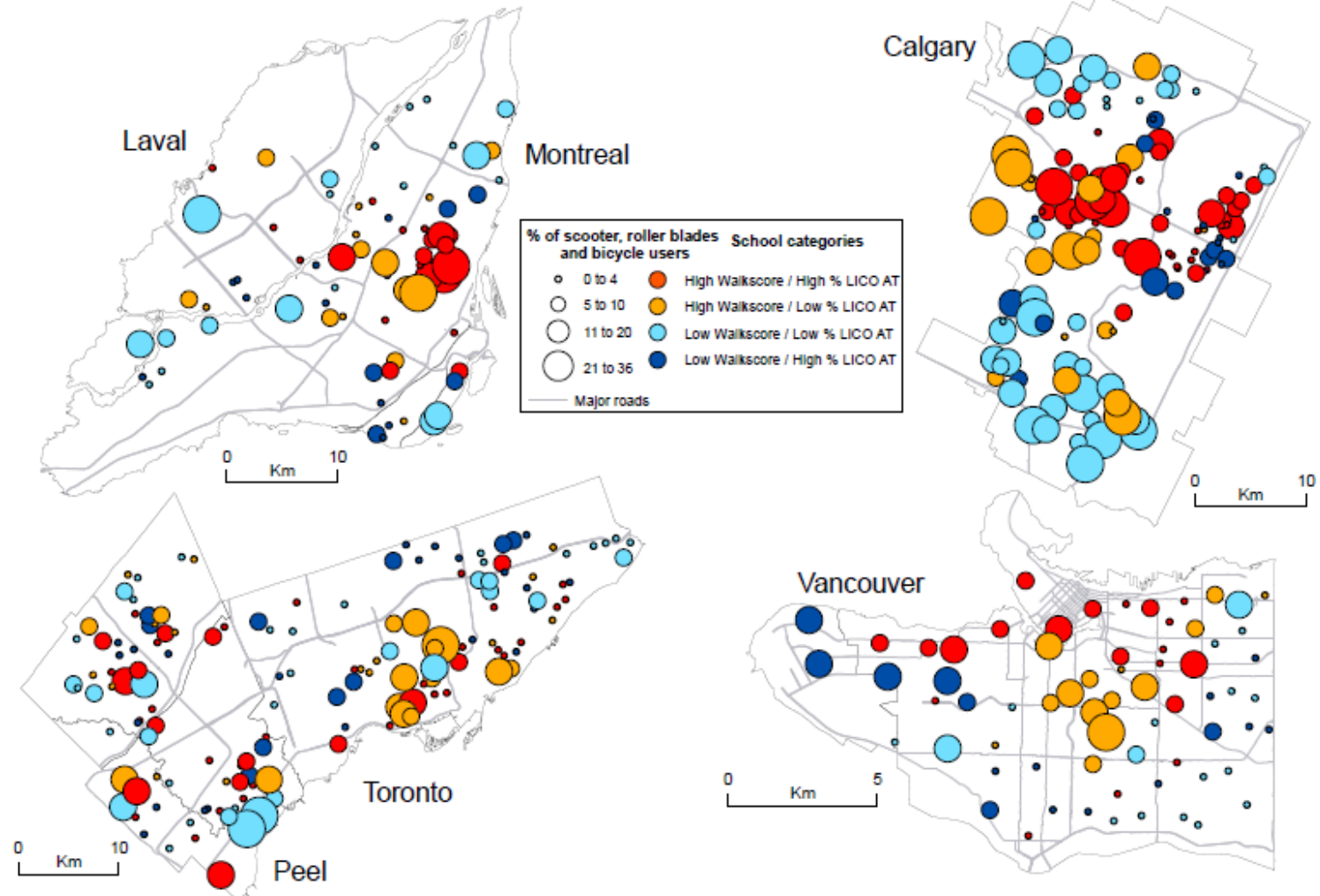


Sources : ©The CHASE project, 2018 ; Statistics Canada, 2016.

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Percentage of observed childrens driving scooter, roller blades and bicycle to school in the morning according the Walkscore and % LICO AT of the school in 4 canadians cities, 2018.

2. Results:  
kids  
cycling to  
school  
per LICO  
and  
walkscore



Sources : ©The CHASE project, 2018 ; Statistics Canada, 2016.

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## 3. Discussion

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- Many kids walk/cycle to school in the morning in those 4 cities...
- There is a clear city/suburb pattern in the car use, no matter the walkscore or the % LICO.
- Calgary is an “exception”: less active transport despite some cycling...



# Thank you! Questions?



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