

Mobility practices of non-motorized households, the cases of Quebec City and Strasbourg

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Presentation plan

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- ▶ Presentation of the research
- ▶ Scientific concepts
 - ▶ Car Dependence
 - ▶ Social Exclusion
 - ▶ Public Policy
- ▶ Methodology
 - ▶ Discourse Analysis
- ▶ Results
- ▶ Conclusions



Presentation of the research

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- ▶ As part of my ongoing PhD thesis
- ▶ Research question:
- ▶ Objectives
 - ▶ Comparison between North America and Europe
 - ▶ Highlight the place of non-motorized households (NMH) in policy
 - ▶ Explore the daily mobility of NMH
 - ▶ Interviews
 - ▶ Origin-Destination surveys
 - ▶ Create a car-dependence indicator

Car Dependence

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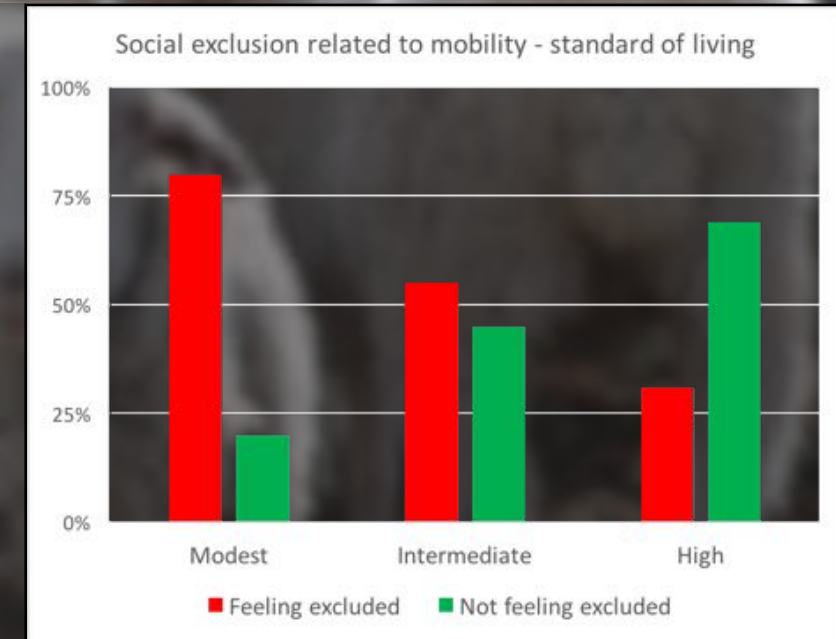


Graphic adapted from Vivre en ville (2012) - our translation

Social Exclusion

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- ▶ Unequal participation of individuals in society
- ▶ Gagnon & Saillant (2009, p. 2)
“an intolerable situation or an unfair condition, the sidelining of individuals and private groups of their rights, security, access to certain goods and full participation in society; [recalling] the existence of borders and divisions in a society that claims to abolish them [...]”
- ▶ Link between social exclusion and mobility:
 - ▶ Transport system can help strengthen social exclusion through exorbitant costs in time or money for vulnerable groups
 - ▶ Lack of access



Public Policy

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- ▶ Dye (1995, p. 2): “whatever government choose to do or not to do”
- ▶ For example
 - ▶ A public transit system
 - ▶ Not putting sidewalks on new suburban developments

Methodology

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- ▶ Mixed method approach
- ▶ Qualitative
 - ▶ Interview with NMH and with local officials
 - ▶ Policy document analysis
- ▶ Quantitative
 - ▶ Discourse analysis – IRaMuTeQ
 - ▶ Origin Destination Surveys

Discourse analysis

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- ▶ Verbatim transcript of interviews
- ▶ Software >> IRaMuTeQ
- ▶ ALCESTE (co-occurring lexemes analysis in simple statements of a text) developed by Reinert (1983; 1990, 2000)
- ▶ Linking text analysis to variables:
 - ▶ Gender, area, feeling excluded, revenue, age, household type, has a driver license, membership in a car sharing network, etc...
- ▶ Many analysis tools
 - ▶ Specificity, factorial correspondence, word co-occurrence networks, word cloud

Initial findings – area and activity you can no longer partake

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Quebec City

Strasbourg

cinema bus

weekend tram
train bicycle

Initial findings – area and activity you can no longer partake

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Quebec City

Strasbourg



Initial findings – area and activity you can no longer partake

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Men

Women

hickingcinema
grocery
outdoor

village

bus

train

Initial findings – area and activity you can no longer partake

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Men



Women



Initial findings – area and activity you can no longer partake

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Not member of car sharing system

Member of car sharing system



Initial findings – area and activity you can no longer partake

14

Not member of car sharing system

Member of car sharing system



Initial findings – area and activity you can no longer partake

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Feels excluded

Doesn't feel excluded



Initial findings – area and activity you can no longer partake

16

Feels excluded



Doesn't feel excluded



Initial findings

Daily mobility

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Quebec City



Strasbourg



Initial findings

Daily mobility

Quebec City



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Strasbourg



Initial findings

Daily mobility

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Men



A word cloud for men's daily mobility. The words are in shades of blue. 'car sharing' is the largest word, followed by 'university', 'snow', 'bicycle', 'children', 'read', and 'rent'.

read snow bicycle children university car sharing rent

Women



A word cloud for women's daily mobility. The words are in shades of red. 'car pooling' is the largest word, followed by 'bus route', 'shopping', 'expensive', 'train', 'ski', 'night', and 'pedestrian'.

shopping expensive ski train car pooling night pedestrian bus route

Initial findings

Daily mobility

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Men



Women



Initial findings

Daily mobility

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Feels excluded

pedestrian
difficult
bus
grocery
constraint
family

car pooling
shopping mall

sidewalk

complicated

Doesn't feel excluded

bicycle holiday
train

tram

solution
car

Initial findings

Daily mobility

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Feels excluded



Doesn't feel excluded



Initial findings

Daily mobility

23

Moderate lifestyle

Intermediate lifestyle

Affluent lifestyle



Initial findings

Daily mobility

24

Moderate lifestyle

Intermediate lifestyle

Affluent lifestyle



Conclusions

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- ▶ NMH discourse varies significantly based on many variables
- ▶ Place or activity you have to give-up:
 - ▶ Quebec City: Cinema, hardware store, parks
 - ▶ Strasbourg: Mountain, villages, ski resorts, weekend getaways
- ▶ Daily mobility:
 - ▶ Quebec City: Take bus, talk about winter, neighbourhoods
 - ▶ Strasbourg: Take the tram, the train, bicycle, go to Kehl, Germany
 - ▶ Men: Car sharing, university, snow, children, bicycle, car
 - ▶ Women: Car pooling, Kehl, mother, train, expensive, ski
- ▶ Next steps: Policy documents, local officials

Questions Comments

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