



Interreg
North Sea



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SHARE-North Squared



Vlaanderen
is mobiliteit &
openbare werken



provincie
Oost-Vlaanderen



Car sharing in housing projects: first steps towards calculation of replacement ratio

POLIS

CITIES AND REGIONS FOR TRANSPORT INNOVATION

ANNUAL
CONFERENCE
2024

Johannes Rodenbach

IMPACT REPORT

CAR SHARING IN BELGIUM IN 2022



Policy



Community



**THE SHARED
MOBILITY NAVIGATOR**



1. Does car sharing truly impact car ownership?

2. Why integrate car sharing into housing developments?

3. How can we calculate the car sharing replacement ratio for a specific location?



Challenge & Methodology



Insights in number of cars per household among car sharing users and replacement ratio for Flanders Region.

How are the numbers for specific areas?



AD
AUTODELEN.NET

**WAY
to
GO**
THE SHARED
MOBILITY NAVIGATOR

Research methodology



- 10 car sharing operators
 - 7 roundtrip station based
 - 1 free floating
 - 2 private cost based car sharing
- Online questionnaires (2022)
 - 5,827 respondents

interreg
European Regional Development Fund

1. Postal survey for all inhabitants of neighbourhood around shared car(s) in Mechelen, larger city with 90.000 inhabitants

40% of respondents are active car sharing users



(c) Street Smart

2. Door-to-door interviews in the vicinity of a shared car (300m radius) in two municipalities (27.000 & 44.000 inhabitants)

Very little active car sharing users among respondents (4%)



(c) Google Maps

1. Does car sharing truly impact car ownership?

Number of cars in household among car sharing (non-)users

Flanders Region



City of Mechelen



Five times less cars among car sharers!

Awareness of car sharing offer & perceived parking pressure

Municipalities

Limited uptake of car sharing

(0,13 shared cars per 1.000 inhabitants)

65% of non car sharing respondents is aware of the offer

23% of non-users perceives parking pressure as (very) high

→ 6% of non car sharing respondents considers using car sharing the next year



→ Probably lower replacement ratio per shared car

Awareness of car sharing offer & perceived parking pressure

City of Mechelen

High uptake of car sharing

(1,78 shared cars per 1.000 inhabitants)

94% of non car sharing respondents is aware of the offer

62% of non-users perceives parking pressure as (very) high

➔ 11% of non car sharing respondents considers using car sharing the next year

➔ Probably higher replacement ratio per shared car



2. Why integrate car sharing into housing developments?



LOCAL GOVERNMENT

makes plans for sustainable environments with sustainable mobility

SHARED MOBILITY PROVIDER

Gains critical mass to use shared mobility solutions

PROJECT DEVELOPER

reduces costs
creates sustainable environments

RESIDENTS

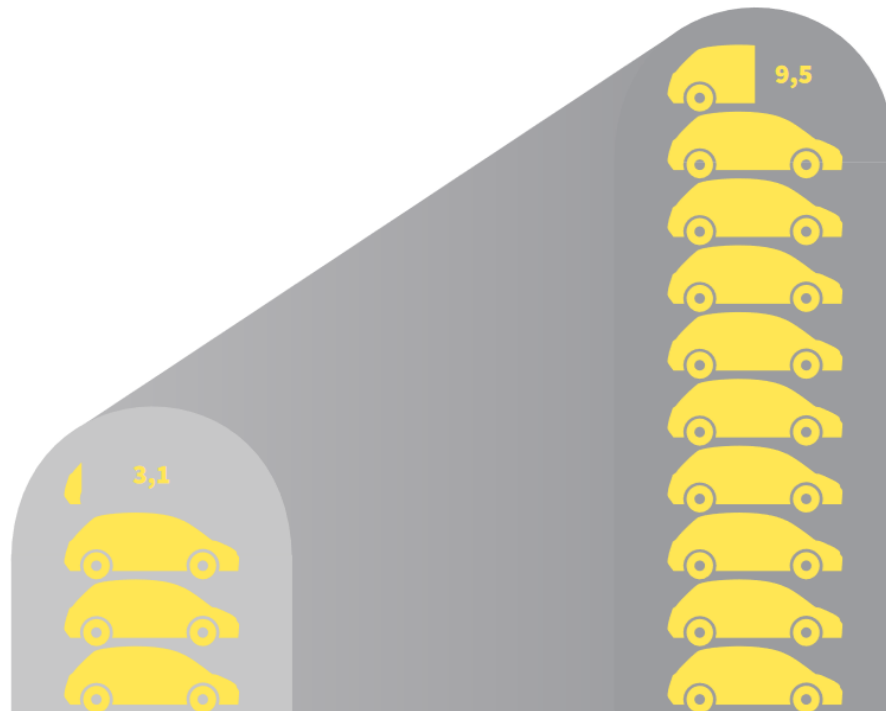
gain sustainable mobility solutions
gain sustainable living environments

WIN-WIN



3. How can we calculate the replacement ratio of car sharing for a specific location?





One shared car replaces 3.1 to 9.5 private cars, according to the type of car sharing.

JOHANNES RODENBACH

johannes@autodelen.net

09 396 70 50

[linkedin.com/in/johannes-rodenbach/](https://www.linkedin.com/in/johannes-rodenbach/)