

Affordable Housing & Shared Mobility

22.04.2024

Inspiratiedag duurzame mobiliteit 2024

Interreg North Sea



Co-funded by the European Union

SHARE-North Squared

Meet the Speakers



Clara Mafé, Housing Europe



Maarten Markus, AM



Cornelia Cordes, City of Bremen



Rebecca Karbaumer, City of Bremen

AGENDA

- > Introduction SHARE-North Squared
- Housing Europe: Shared mobility in the public, cooperative and social housing sector in Europe
 - City of Bremen: Innovative Parking Bylaws and Impacts on Mobility Behaviour

> AM:



SHARE-North Squared

Growing Shared Mobility In Housing Developments and Living as a Service

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Who are we?

16 Partners

7 Countries

6 Cities (with sub-partners)

3 NGOs

2 Universities

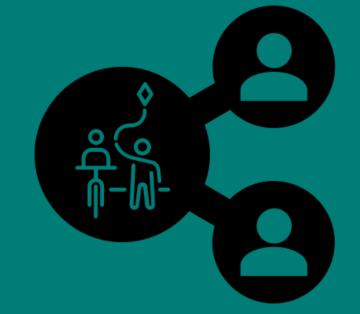
2023 - 2026

7,6 Mio €









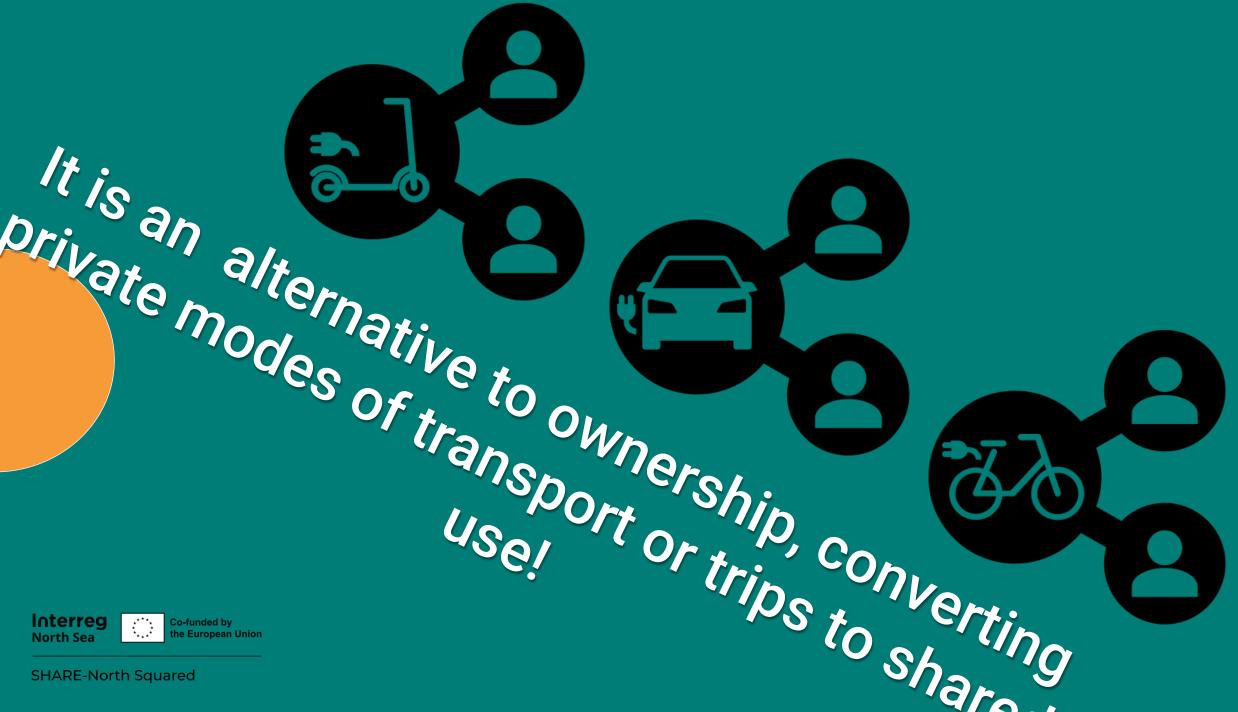
Span



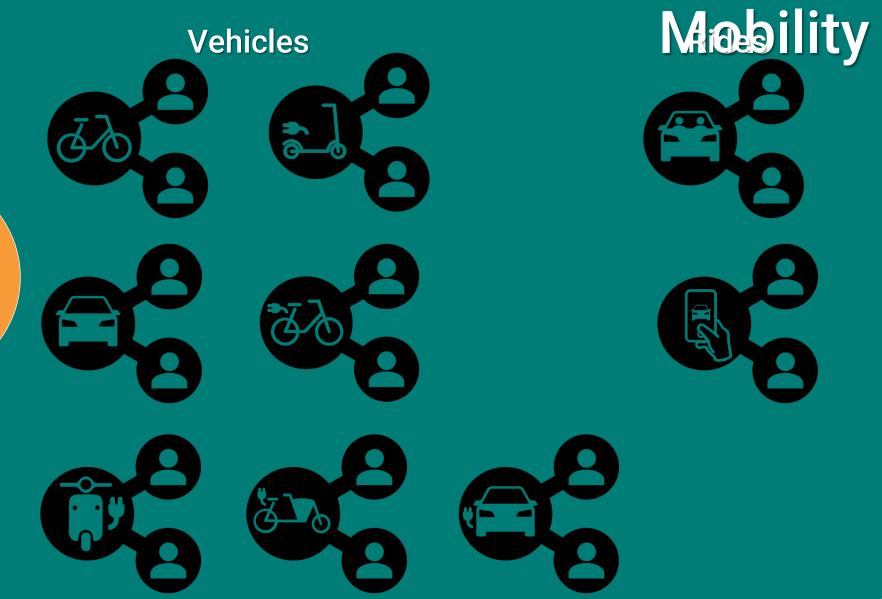








Main Types of Shared



Space







Car Replacement Ratio of Carsharing

One Car Sharing Car can replace up to:

16 privately owned cars

Bremen

Source: **BCS**



Societal Changes Technical trends Cities are
already packed
With moving
and parked cars

Population growth

Densification

Traditional parking requirements
/planning is
a challenge

Space is limited

Infill instead of Greenfield Developments

New Developments CAN
be a unique chance
to redesign urban space
and mobility

12 m2

 $16 \text{ cars x } 12\text{m}^2$ = 192 m^2

Building Car Parking is very expensive

5.000 to 60.000 €

It is not only about NOT building parking...

It more importantly about integrating Mobility

Management





Main Advantages of Integrating SM in HD

- Increased attractiveness of the Property (and neighbourhood)
- Meet mobility needs and change mobility behaviour at the right time (when they are moving)
- Reduce building costs Contribution to more affordable housing
- Reduced financial risk for mobility providers

Questions? Stay tuned for the other speakers!



SHARE-North Squared

Bedankt voor uw aandacht!

Innovative Parking Bylaws and Impacts on Mobility Behaviour

Mobility Hubs and Real Estate Developments: Policy Perspective from the SHARE-North Squared Project

Inspiratiedag, Ghent, BE 22.04.2024

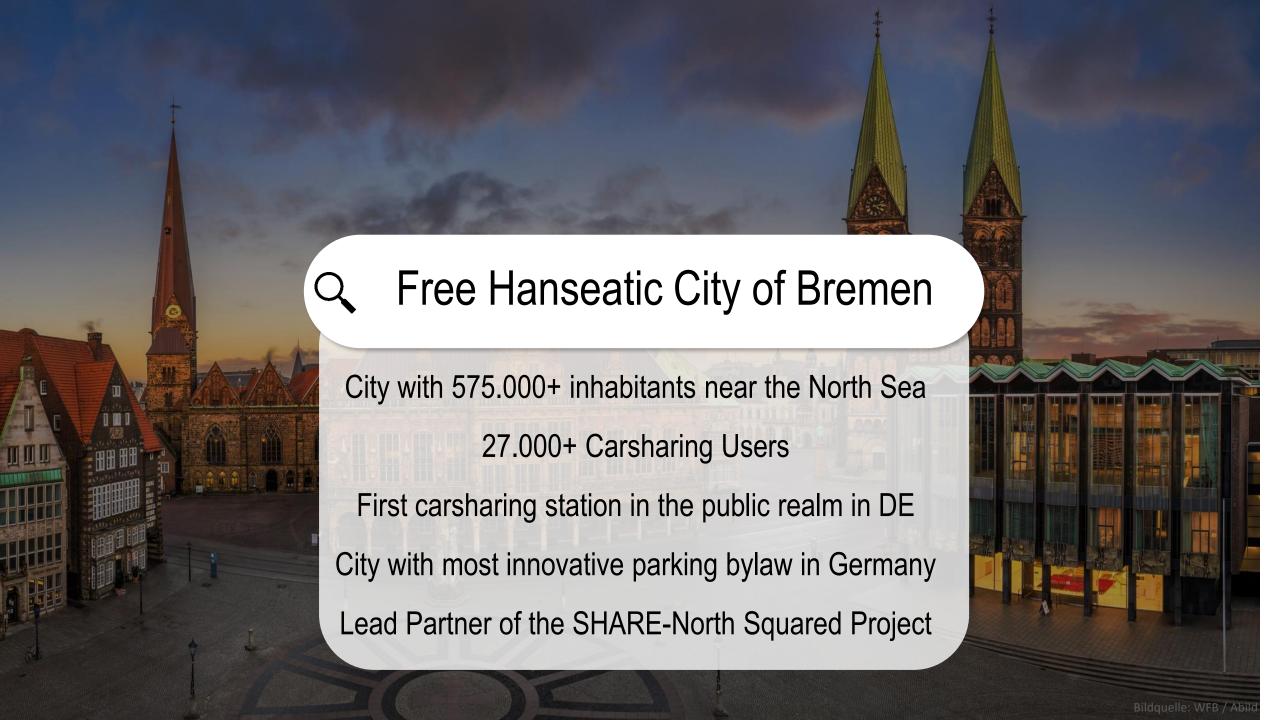
Rebecca Karbaumer

Free Hanseatic City of Bremen
Unit for Strategic Transport Planning

Interreg



Co-funded by the European Union





Ortsgesetz über Kraftfahrzeugstellplätze und Fahrradabstellplätze in der Stadtgemeinde Bremen (Stellplatzortsgesetz Bremen - StellplOG)

Vom 18. Dezember 2012 (Brem.GBI, S. 555)

Der Senat verkündet das nachstehende von der Stadtbürgerschaft aufgrund des § 85 Absatz 1 Nummer 4 und 5 der Bremischen Landesbauordnung vom 6. Oktober 2009 (Brem.GBI.S.401 — 2130-d-1a) beschlossene Ortsgesetz:

Örtlicher und sachlicher Anwendungsbereich

- (1) Dieses Ortsgesetz gilt für das Gebiet der Stadtgemeinde Bremen, soweit nicht durch Bebauungspläne oder andere städtebauliche oder als örtliche Bauvorschriften erlassene Ortsgesetze entgegenstehende Regelungen getroffen worden sind.
- (2) Dieses Ortsgesetz regelt die Pflicht, Stellplätze für Kraftfahrzeuge und Fahrradabstellplätze zu schaffen oder abzulösen. Es regelt die Herstellung dieser Stellplätze und Abstellplätze und stellt Anforderungen auch an die Gestaltung von nicht notwendigen Kraftfahrzeugstellplätzen.

Stellplatz- und Fahr

- (1) Bauliche Anlagen und sonstige Anlagen ten ist, dürfen nur errichtet werden, wenn Ki ausreichender Anzahl und Größe sowie in c wendige Stellplätze und notwendige Fahrra nach Art und Anzahl der vorhandenen und d der Anlage zu erwartenden Kraftfahrzeuge
- (2) Werden Anlagen nach Absatz 1 geände und Fahrradabstellplätze in solcher Anzahl, die infolge der Änderung zusätzlich zu erwa aufnehmen können. Beträgt der Mehrbedan Satz 1 keine Stellplätze herzustellen.

Anzahl der notwendigen Stellplät

- (1) Die Anzahl der notwendigen Stellplätze nach der Anlage 1 (Stellplatznormbedarf). S be des § 4 verringert.
- (2) Für bauliche und sonstige Anlagen, deren Nutzungsart in der Anlage 1 nicht aufgeführt ist, richtet sich die Anzahl der notwendigen Stellplätze und notwendigen Fahrradabstellplätze nach dem voraussichtlichen tatsächlichen Bedarf. Dabei sind die in der Anlage 1 für vergleichbare Nutzungen bestimmten Richtzahlen zu berücksichtigen.
- (3) Bei Anlagen mit verschiedenartigen Nutzungen bemisst sich die Anzahl der notwendigen Stellplätze und notwendigen Fahrradabstellplätze nach dem größten gleichzeitigen Bedarf,

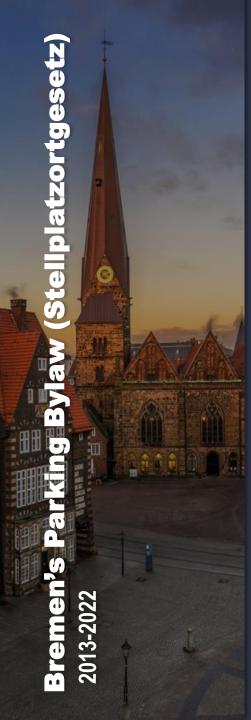
Stellplatzortsgesetz Bremen

Aussetzung der Stellplatzverpflichtung

(1) Die Pflicht zur Herstellung notwendiger Stellplätze kann anteilig ausgesetzt werden, solange und soweit zu erwarten ist, dass sich der Stellplatzbedarf durch besondere Maßnahmen eines Mobilitätsmanagements, insbesondere durch die Nutzung von Zeitkarten für den öffentlichen Personennahverkehr, Errichtung und Einbindung von Car-Sharing-Stationen oder durch den dauerhaften Verzicht auf die Benutzung von Kraftfahrzeugen verringert. Wird eine Maßnahme nach Satz 1 über die gesamte Dauer einer befristeten Aussetzung der Stellplatzpflicht vorgehalten, gilt die Stellplatzpflicht nach Ablauf dieses Zeitraumes insoweit als erfüllt.



Bildquelle: WFB / Abil



I.
Car Parking
Space
Construction

or

II.
Pay Fee to
City

or

III. Mobility Management

- ✓ Integrate a Carsharing Station
- ✓ Provide Carsharing Memberships
- ✓ Public Transport Memberships

*applied to housing as well as other uses









Users



47%

Impact on Car Ownership Availability of Car in Household

Control Group



57%

■ 0/no car

3 or more

In properties with mobility concepts, the percentage of car-free households was twice as high as those without a mobility concept N=441

Source: Wirksamkeit Mobilitätskonzepte - Evaluation von Mobilitätsmaßnahmen im Rahmen des Bremer Stellplatzortsgesetzes, Team Red, 2021.

Modes/ Modal Split	Users	Control Group	Bremen Overall*
Car as driver or passenger	29%	40%	36%
Public Transport	17%	10%	15%
Bicycle/E-Bike/Cargo bike	30%	23%	25%
Walking	24%	27%	25%

Impact on Mobility Behaviour

^{*}Source: SrV, 2018

54% "good" to "very good"

Acceptance among the Users

What do you think of mobility management measures being offered in your housing development instead of parking spaces?

Source: Wirksamkeit Mobilitätskonzepte - Evaluation von Mobilitätsmaßnahmen im Rahmen des Bremer Stellplatzortsgesetzes, Team Red, 2021.





I. Mobility Mangagement

- ✓ Integrate a Carsharing Station
- ✓ Provide Carsharing Memberships
- ✓ Public Transport Memberships
- ✓ And much more!

+Communication Concept

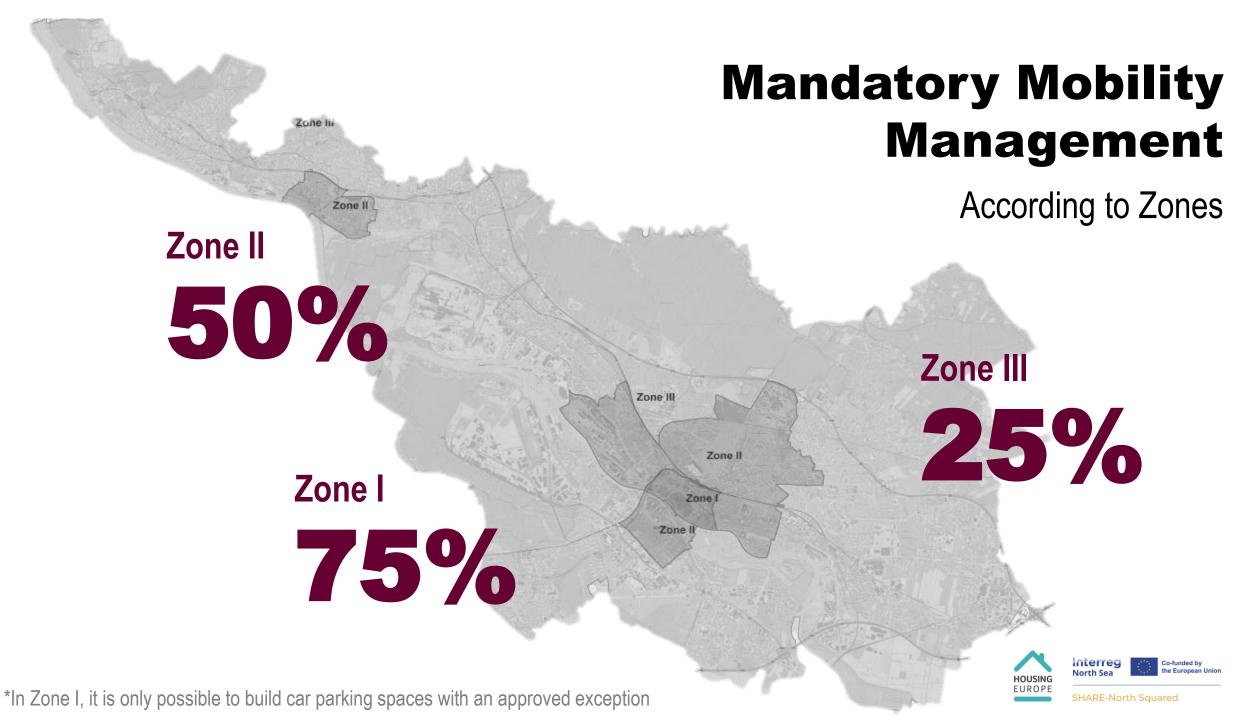
and

II.
Car & Bike
Parking
Space
Construction

or

III. Fee

* applies to housing as well as other uses





Category I

- ✓ Integrate a Carsharing Station
- ✓ Provide Carsharing Memberships
- ✓ Public Transport Memberships
- ✓ High Quality Bike Parking

Category II & III

- ✓ Bikesharing
- ✓ Cargobikes
- ✓ Bike Repair Shops
- ✓ Package Stations
- ✓ Shared E-Scooters
- ✓ Railway Passes
- ✓ and much more!

Communication Concept

Measures must:

- ✓ Be target group appropriate
- ✓ Duration of at least 5 years
- ✓ Reduce the demand for car parking







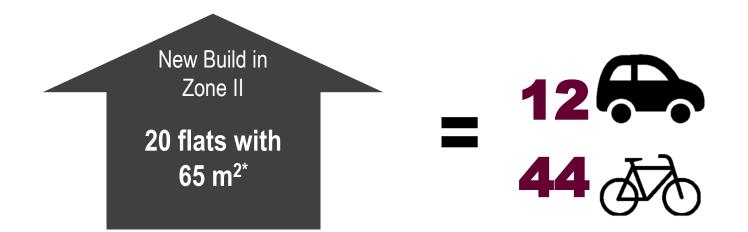








Sample Calculation



Mathematical Parking Requirement

Zone II – 50 %

6

Must be fulfilled with mobility management measures

Mobility Budget:

6 x 12.600 € x 90% = 68.040 €

Remaining Parking
Requirement

Options:

Building parking spaces, payment of fee or invest fee into additional mobility management measures

Sample Calculation

Mobility Budget: 68.040 €

Target Group: Singles, Young couples, young families

Duration: 10 Years

Carsharing-Memberships



Public Transport Tickets



Shared Cargo bike



Box for Cargo bike



Communication Concept:

- **✓** Ad with announcement for flats
- ✓ Info-package upon moving in
- ✓ Annual reminder with Christmas card





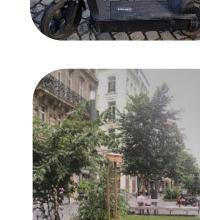






District-Oriented Use of Compensation Fees by the City Management Measures























Reduced need for car parking spaces and construction costs

Expansion of carsharing offer in the city

Benefits of Carsharing in New Real Estate **Developments***

Generating demand for carsharing

Indirect operating cost subsidy in financially difficult areas



















Continuity of the offers

Steering citywide offer and closing gaps in the system

Benefits of Carsharing in New Real Estate Developments*

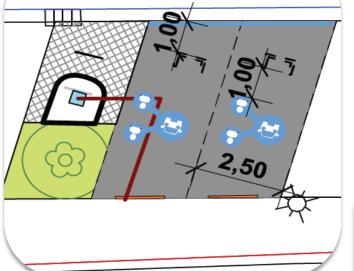
Selection of reliable providers

City has influence on site selection

also in connection with nobility hubs

Challenges for Carsharing in New Developments

- ✓ Knowledge gap of developers and architects about carsharing/sharing (Number of vehicles vs. users, site selection, etc.)
- ✓ Timing when planning and implementing stations
- ✓ Coordinating plans
- ✓ (Staffing and Time) Demand for advising!













Rebecca Karbaumer says

THANK YOU

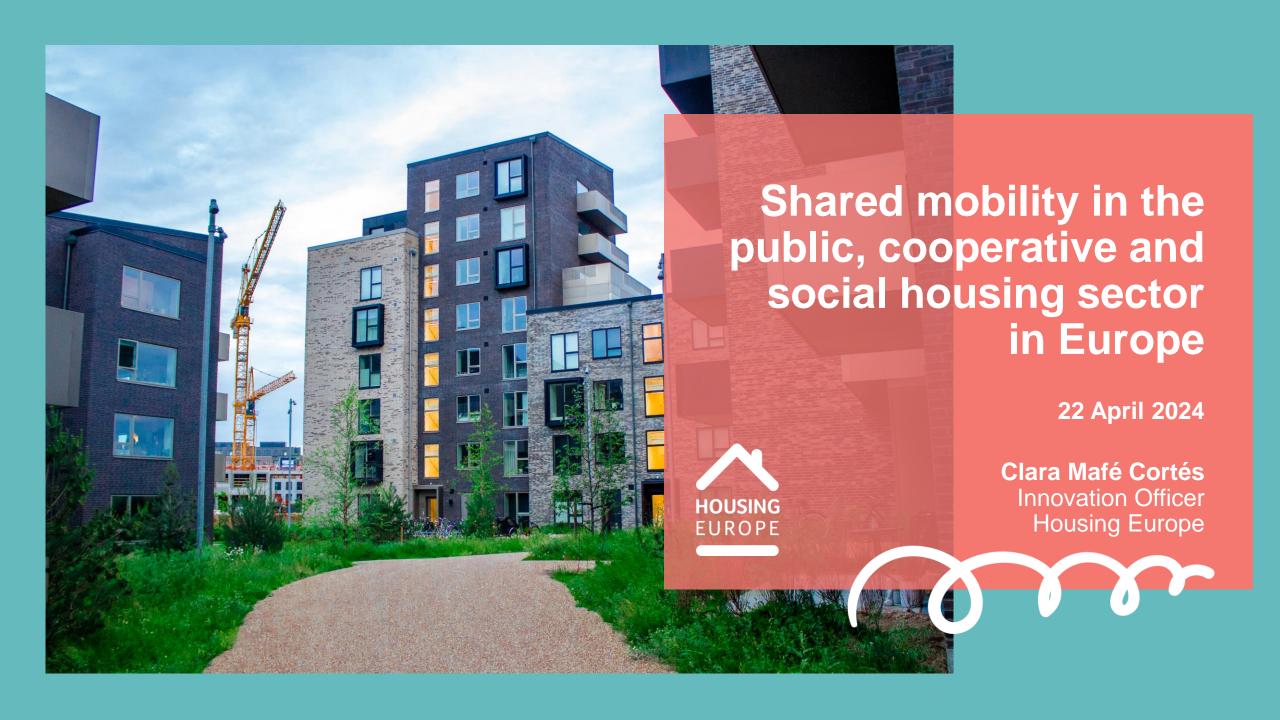
Free Hanseatic City of Bremen Unit for Strategic Transport Planning Rebecca.Karbaumer@bau.bremen.de

Interreg North Sea



Die Senatorin für Bau, Mobilität und Stadtentwicklung





THE RICHNESS OF **OUR NETWORK**

43,000 local housing organisations

31 countries

24,936,000 dwellings

roughly 200,000 new dwellings per year over **200,000** dwellings refurbished per year roughly €40bn in new investment per year **7,500+** staff employed by the federations **300,000+** staff employed by local providers



Our members

ALBANIA - AUSTRIA - BELGIUM - CYPRUS CZECH REPUBLIC - DENMARK - ESTONIA - FINLAND FRANCE - GERMANY - GREECE - IRELAND - ITALY **LUXEMBOURG - NETHERLANDS - NORWAY - POLAND** PORTUGAL - SLOVENIA - SPAIN - SWEDEN **UNITED KINGDOM – ARMENIA – SWITZERLAND**

Our partners

#Housing Evolutions

BELGIUM - CROATIA - GREECE - FRANCE - ITALY KOSOVO - LATVIA - EASTERN EUROPEAN REGION



























































































Center for Support to Organizations, Bosnia and Herzegovina, CENSOR

Ekubirojs

Fondazione Housing Sociale

Habitat for Humanity

Housing Initiative for Eastern Europe, IWO

Ministry of Physical Planning, Construction and State Assets, Croatia University of West Attica

Organisme de Foncier Solidaire de la Métropole Lilloise

Social Housing & Property Rights in Kosovo













A VISION OF EUROPE WITH DECENT AND AFFORDABLE HOUSING FOR ALL-IN COMMUNITIES WHERE EVERYONE CAN REACH THEIR FULL POTENTIAL.





Coupled with public transport, shared mobility strategies in social housing can help in tackling urban segregation and improve access to jobs and services for the most vulnerable.





Shared mobility is **not the primary action** that social housing providers are doing when promoting sustainable mobility. It's part of the bigger set of the solutions but not the number one.



REASONS: work with service providers, responsibilities in case of issues, they want to do the simpler things: installing charging points and bike parking spaces..

HOWEVER,



Increasingly housing providers are **negotiating with local authorities** the car-parking ratio, and instead investing in mobility management.



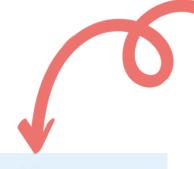
Social housing providers are in the **best position to increase their knowledge user needs**: tools like needs analysis, and area assessments are important: density, skills of people.

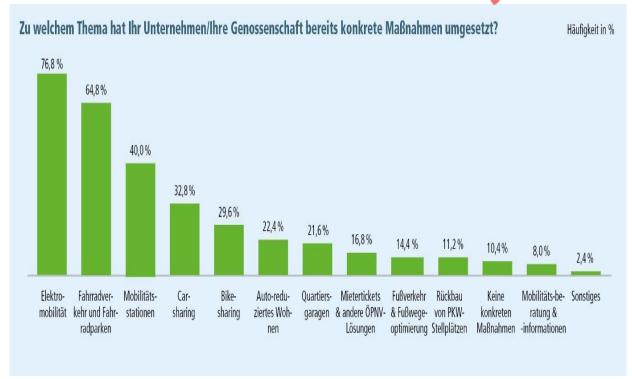




VIEWS ON SHARED MOBILITY

- Mobility must not end at neighborhood boundaries.
- Parking spaces must meet the need.
- Suitable funding offers for housing companies.
- Multi -lane technologies instead of one-way street E-mobility.
- Using public space to roll out charging infrastructure.
- E-mobility must not become a cost driver for the housing delivery.







VIEW ON SHARED MOBILITY

OBSTACLES

- Authorities pushing too many parking lots
- Catch 22 for electric vehicles
- Discrimination of public housing on state support for charging infrastructure (state aid rules)

SOLUTIONS

- Mobility norm instead of Parking norm
- Push for investments in power and charging points
- Implement exemptions from staid aid rules



Photo: Mitthem





VIEW ON SHARED MOBILITY

OBSTACLES

- Digital gap hinders access to shared mobility.
- Lack of knowledge of tenants' mobility needs.
- Unaffordable tariffs for lower-income tenants.

SOLUTIONS

- Expanding the use are for shared mobility (metropolitan).
- More assessment and evaluation ex-ante on mobility needs.
- Discounted tariffs for special groups.



Photo: Le Soir

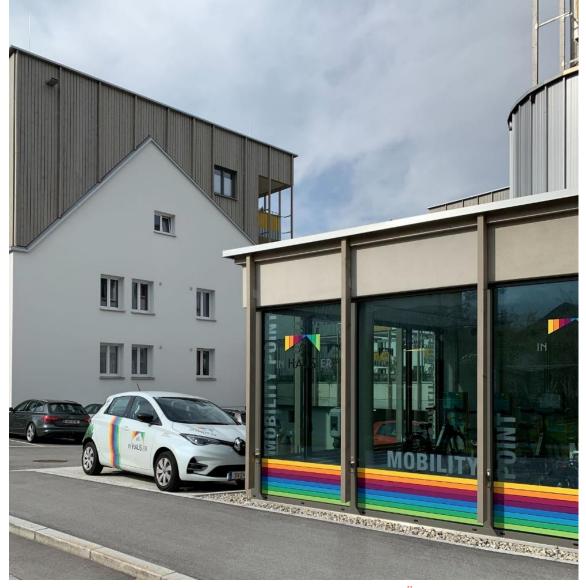


Assumptions about car sharing in social housing

- Housing developers can plan new and sustainable mobility even if it's not their core business.
- Coordinating role of the municipality in the process.
- Shared mobility is often perceived as not affordable for social housing tenants.
- The digitalisation surrounding the shared mobility industry makes the service less accessible to certain tenant groups.
- Vandalism of shared vehicles by tenants in social housing.

CONTROVERSIAL

- Implement shared mobility only if the public transport offer in the area is sufficient.
- All shared vehicles should be accessible for the general public.
- Shared vehicles might create **tensions amongst tenants** if damage or payment issues arise.



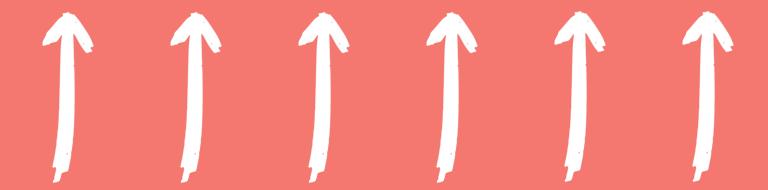
Mobility Point in WIR INHAUSER (Salzburg) by Heimat Österreich.





How is public, cooperative, and social housing transforming our neighbourhoods, cities, and lives?

Subscribe to our monthly newsletter.







~~~~~~~~~ THANK YOU

www.housingeurope.eu









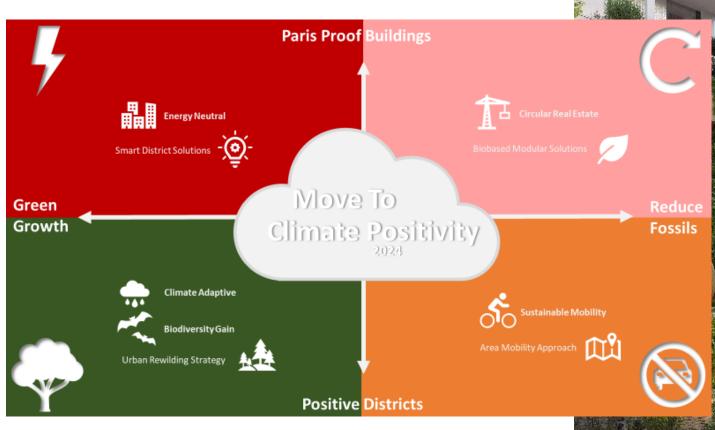


@HousingEurope



Who?

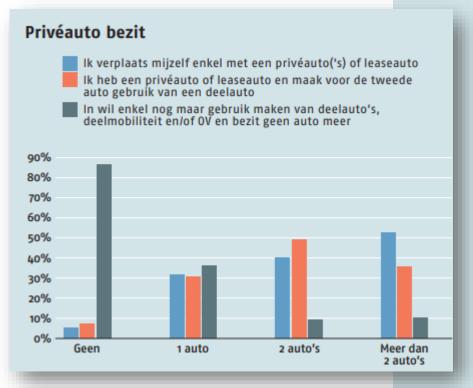
- Neighbourhood Developer
- Buildings ánd landscape
- High sustainability goals





Why?

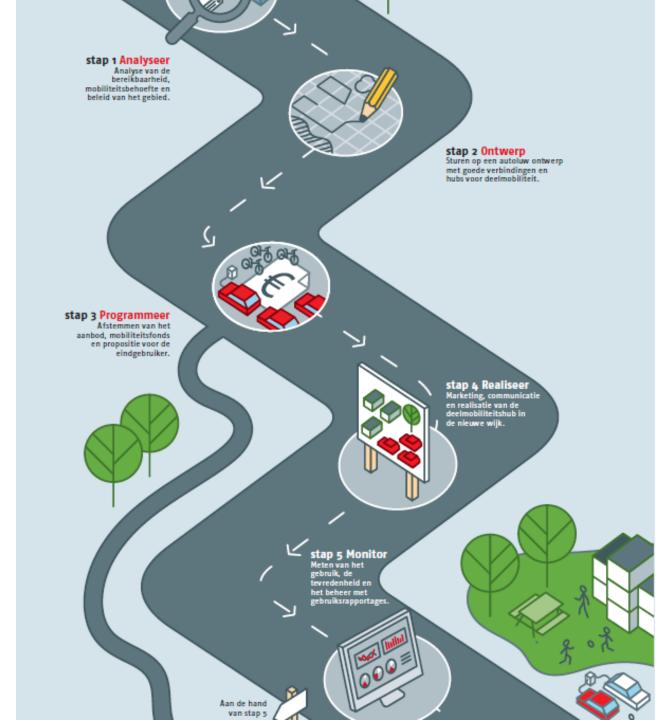
- 1. Car ownership is not necessary
- 2. Second car's are rarely used
- 3. The benefits are huge
- 4. People know this as well





Practical Implementation

- AM's Mobility approach
- Location ánd target group based
- Applied over 20-new neighbourhoods

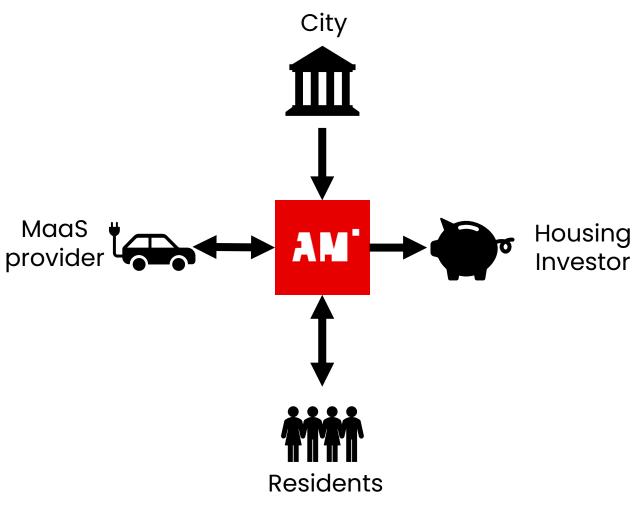


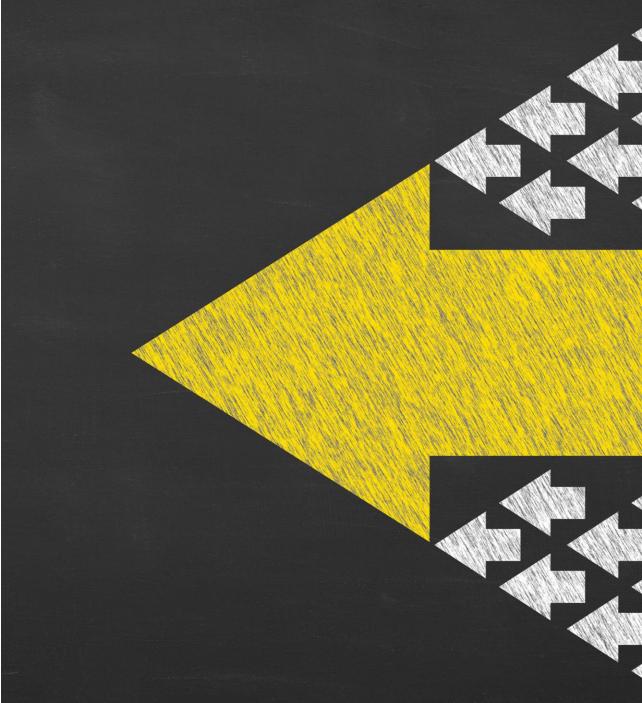


Building vs. Neighbourhood



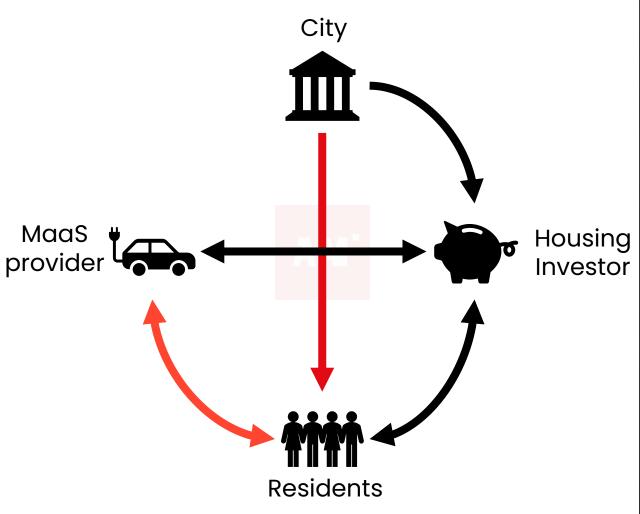
Public-Private

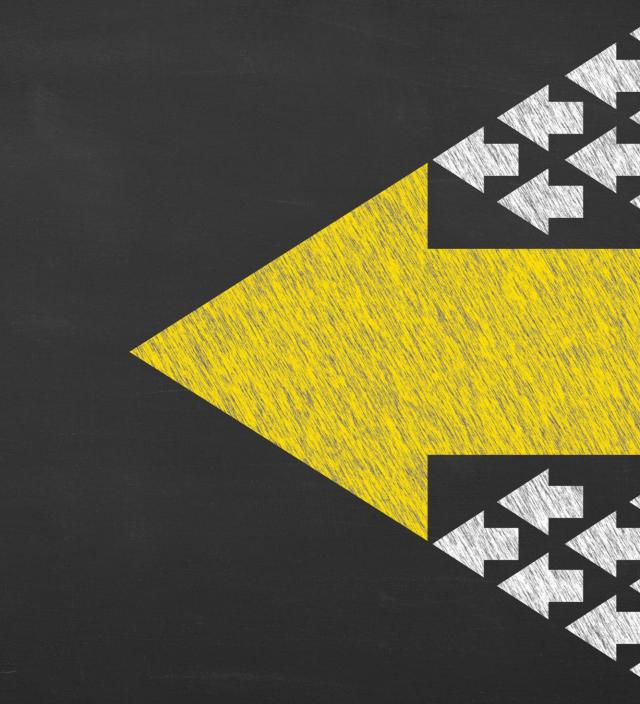




Shared Mobility in new neighbourhoods

Public-Private





Succesfactors

What we as AM arrange



Location Analysis and Crowdsourcing



Mobility hub in project design



Mobility fund for start-up phase



Mobility budget for residents



Contracts for in-use phase





Ik geloof dat het financieel voordeliger is alleen te betalen voor de mobiliteit die ik daardwerkelijk afneem

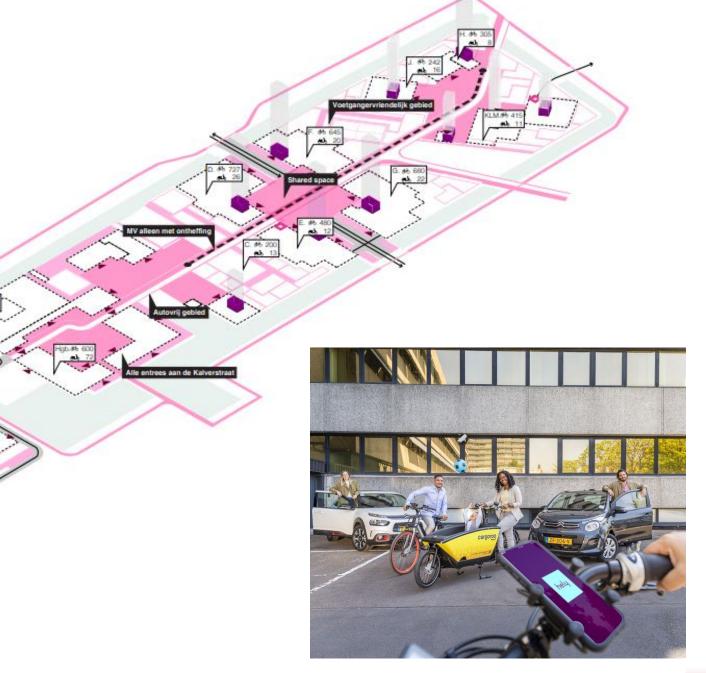
82%

Ik vind dat het goed is om het autogebruik- en bezit te beperken.

78%

Ik vind het eigendom hebben van een eigen auto belangrijk

42%









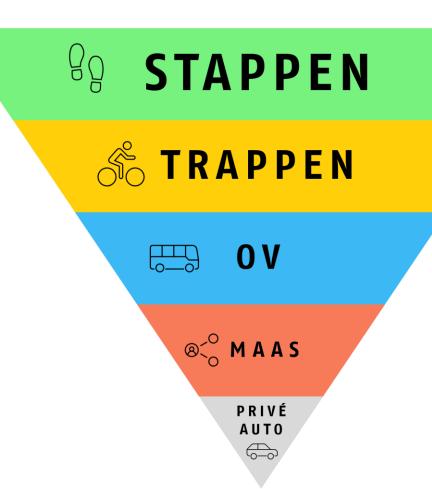




Learnings

Start with a high ambition!

- We can go with fewer cars then often expected
- Ask future residents about the possibilities and conditions
- Make a good mobility (communication) plan
- Work together
- Follow a project specific mobility hub strategy
- Don't forget the basics: public transit and the bike







am.nl



ONTWIKKELAARS VAN IMPACT