# Unlocking Cargo Bikes' Potential for Sustainable Mobility and Logistics in the Brussels Capital Region

Thursday, 11 April 2024

mobil.TUM 2024

MOBILISE MOBILITY AND LOGISTICS RESEARCH GROUP



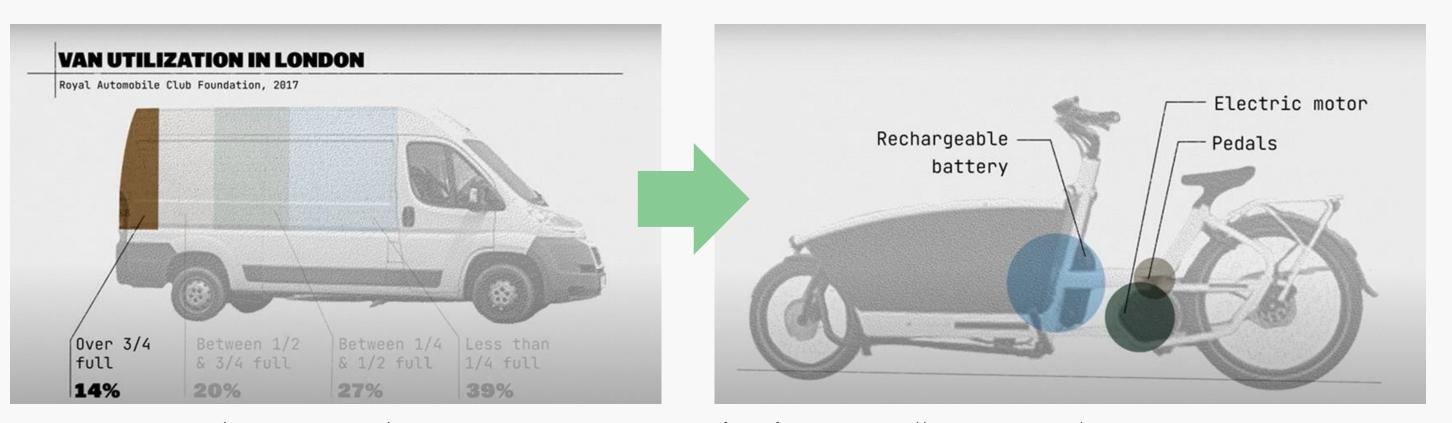
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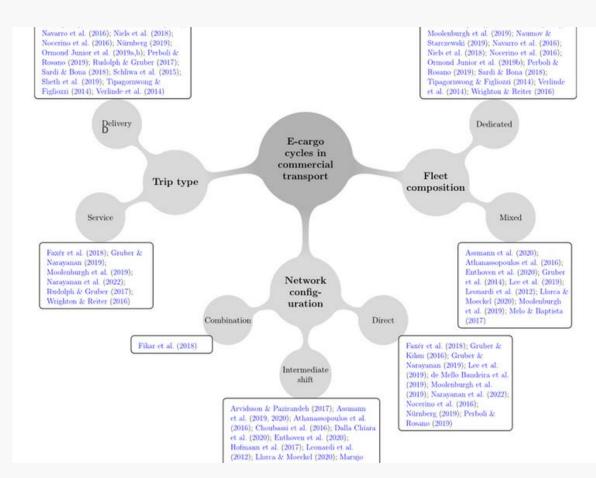
### I. Problem

Towards more efficient, clean and sustainable logistics.

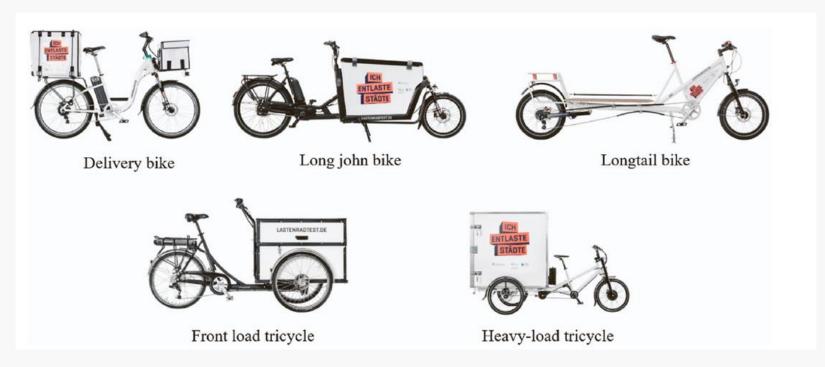
But what about personal mobility?



Source: Vox. (2023, September 20). It's time to replace urban delivery vans [Video]. YouTube. https://www.youtube.com/watch?v=R63DdEe\_8aM



Typology for e-cargo cycle usage in commercial transport and indicative references.



Cargo cycles according to construction type



Narayanan, S., & Antoniou, C. (2022). Electric cargo cycles—A comprehensive review. Transport Policy, 116, 278–303.

## ||. Methodology

Mixed methodology approach based on surveys

#### 9 partners from:

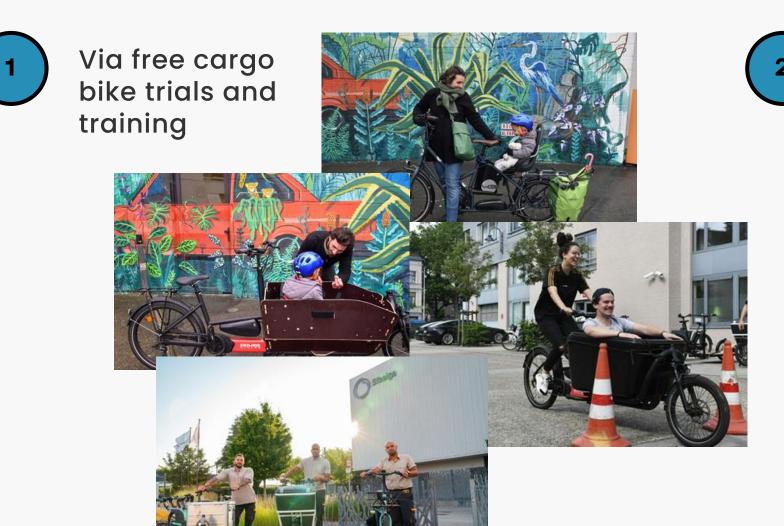
- -Private
- -Public
- -Non-profit organizations
- -Academia

## Case study: Brussels Capital Region



#### **Context:**

- •1/2 motorized trips is less than 5 km in the Brussels area.
- •Taking children to school and shopping are the most frequently cited reasons for using a car for the trips.
- •1/2 deliveries in town could switch to cargo bikes.



Via shared CB services, trailer lending and incentives



# Prime Vélo-cargo ou remorque

Favorisez une mobilité basses émissions en faisant l'acquisition d'un vélo-cargo ou d'une remorque-vélo. Co prime peut couvrir jusqu'à 70% de vos investissements p

BRUXELLES ÉCONOMIE ET EMPLOI

#### Sur cette page

- Pouvez your bénéficier de cette prime ?
- Pour quals types d'investissements ?
- > Quel taux d'intervention et quelles majorations ?
- > Tenez compte des délais
- Demandez la prime



### **|||. Results**

12 profiles identified

From the mobility profiles, 90% of them were motivated by children's transport

From commercial profiles, 82% of premium recipients are one-person SMEs.





# Mixed profiles





# Thank you for listening!



Let's connect!



Would you like to know more about the project? https://cairgobike.brussels/en