

Van en naar het treinstation

Voorkeuren van reizigers voor
gedeelde elektrische
micromobiliteit

22.11.2024
CVS Congress
Utrecht



To and from the train station

Travellers' preferences for shared
electric micromobility

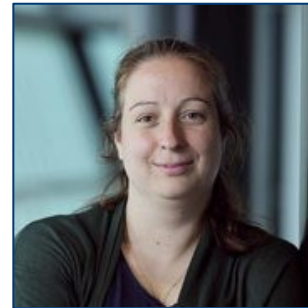
22.11.2024
CVS Congress
Utrecht



Our team



Hussein Al-Tamimi
Propositions & Partnerships
Dutch Railways (NS)



Dorine Duives
Associate professor
Active Mode Lab
TU Delft

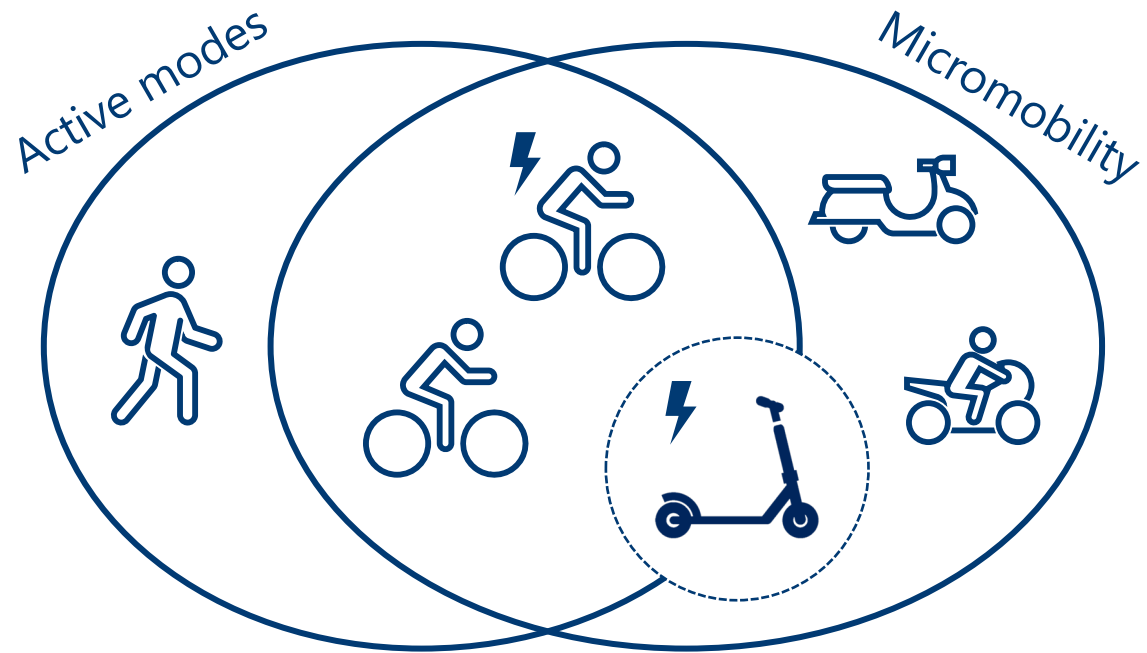


Mark van Hagen
Principal Consultant
Dutch Railways (NS)



Niels van Oort
Associate professor
Smart Public Transport Lab
TU Delft

What is micromobility?



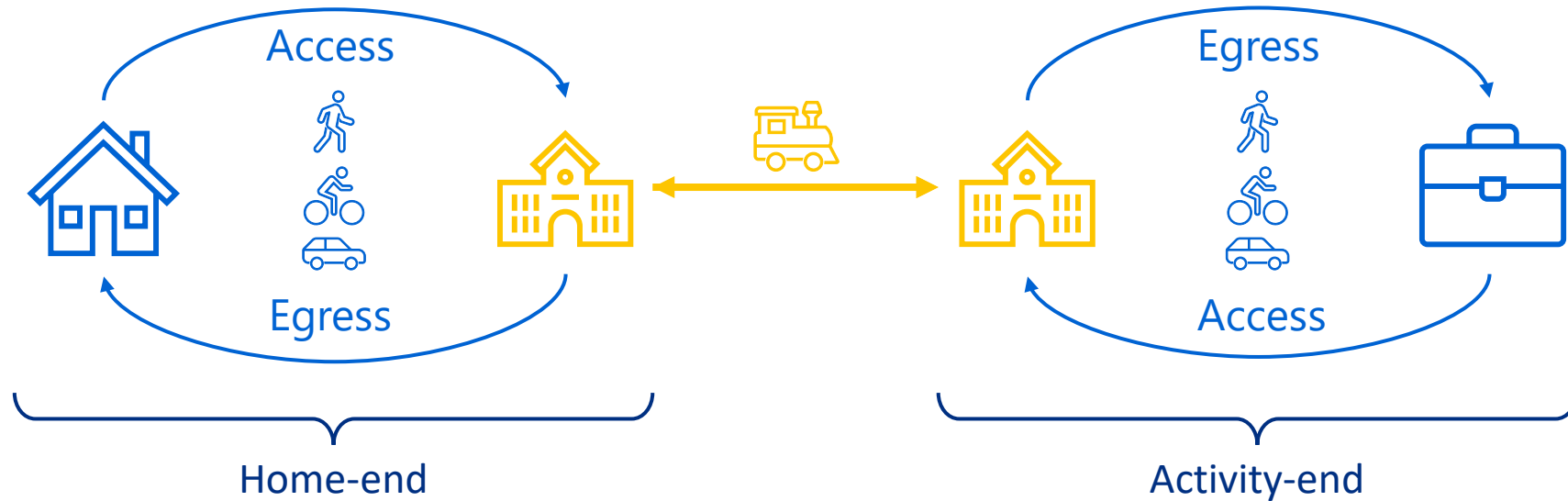


Multimodal trips



- ❖ Multiple modes in a single trip
 - ◇ Walking is part of any trip
- ❖ Particularly relevant for public transport
 - ◇ 400m nearest PT stop
 - ◇ 5.3km nearest train station
 - ◇ 10.8km nearest “important transfer station”
- ❖ Accessing the stop/station

Terminology

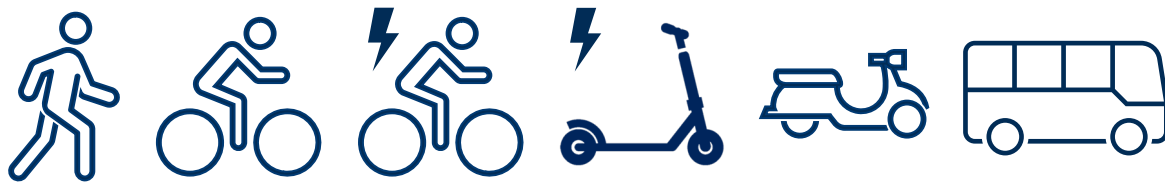


Activity-end



Je hebt al
45 minuten met
de trein gereisd

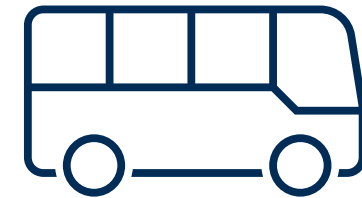
Je gaat op
bezoek bij
vrienden/familie



Activity-end



How would/did you travel?



How would/did you travel?



22min walk

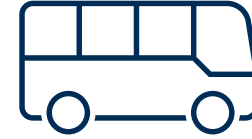


5min walk

6min travel



€2.25 cost



10min walk

5min wait

9min travel

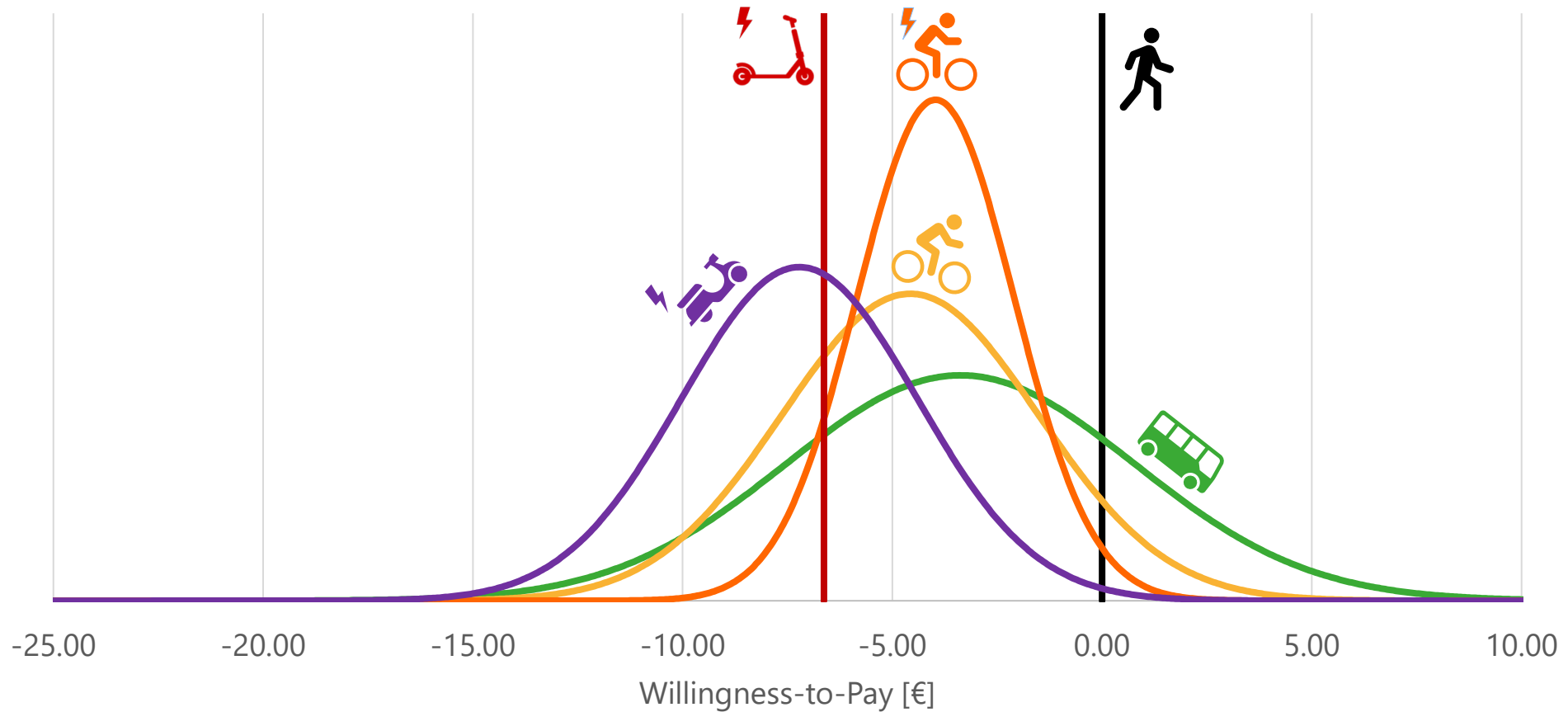


€1.51 cost

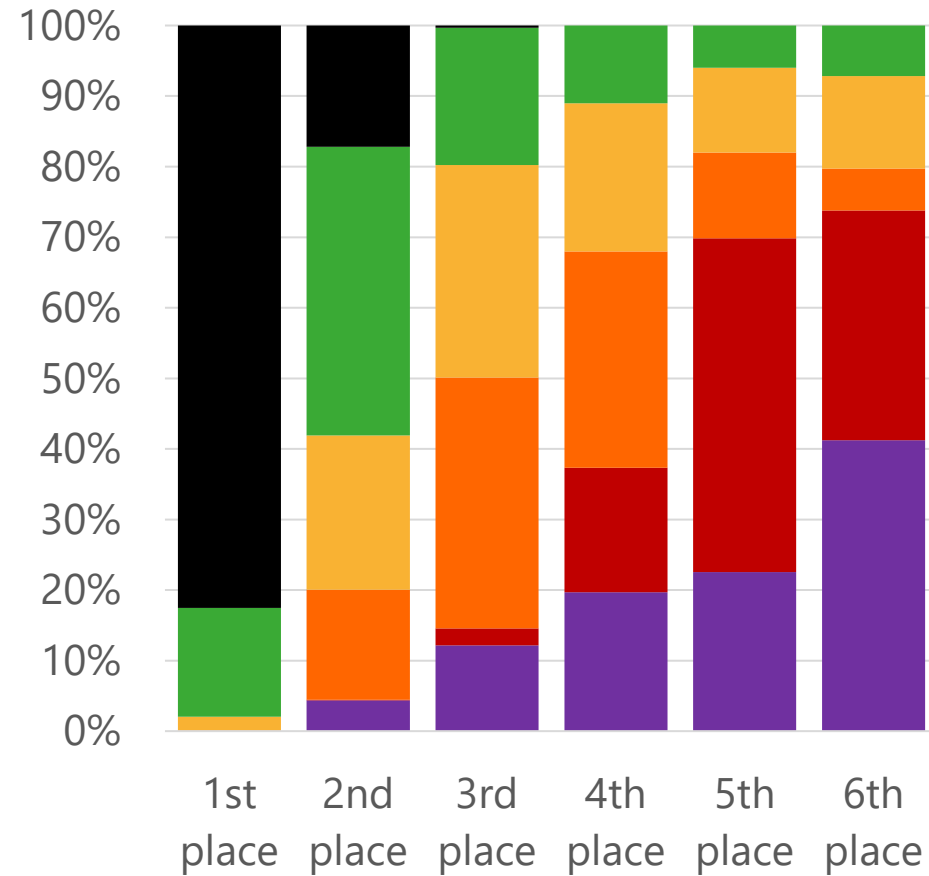
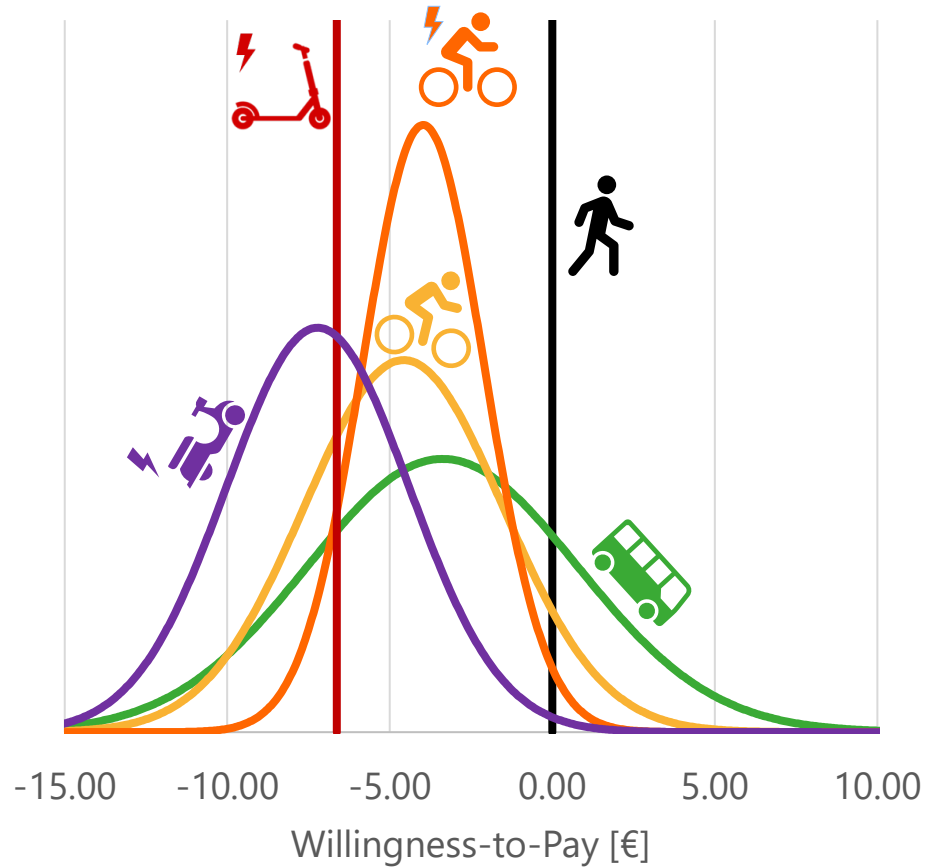
How would/did you travel?



Overall modal preferences



Interpretation



Parking facility preference



**Free
floating**



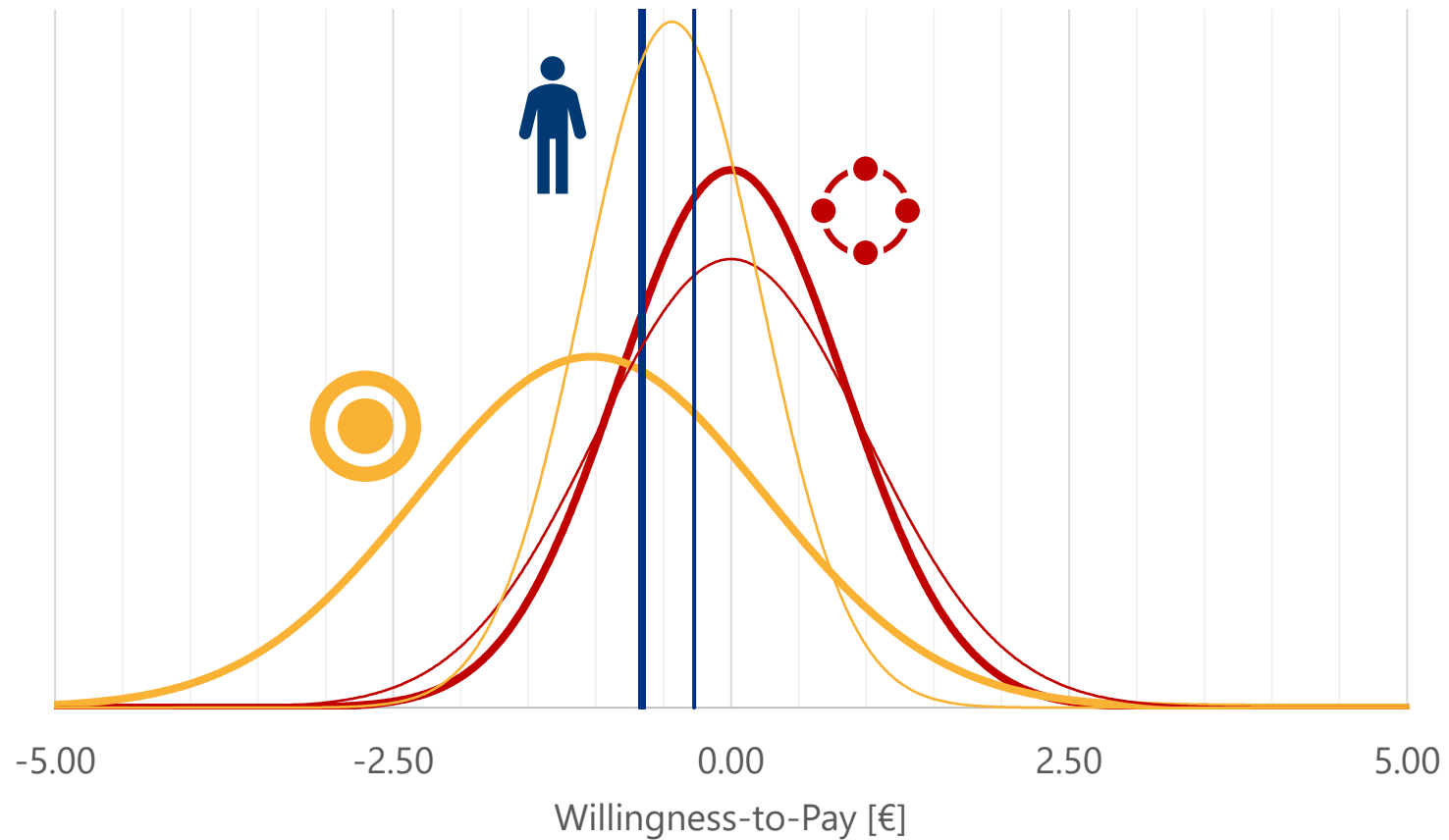
**Central
parking**



**Manned
central
parking**



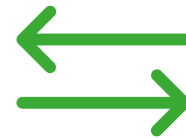
Parking facility preference



Renting type preference



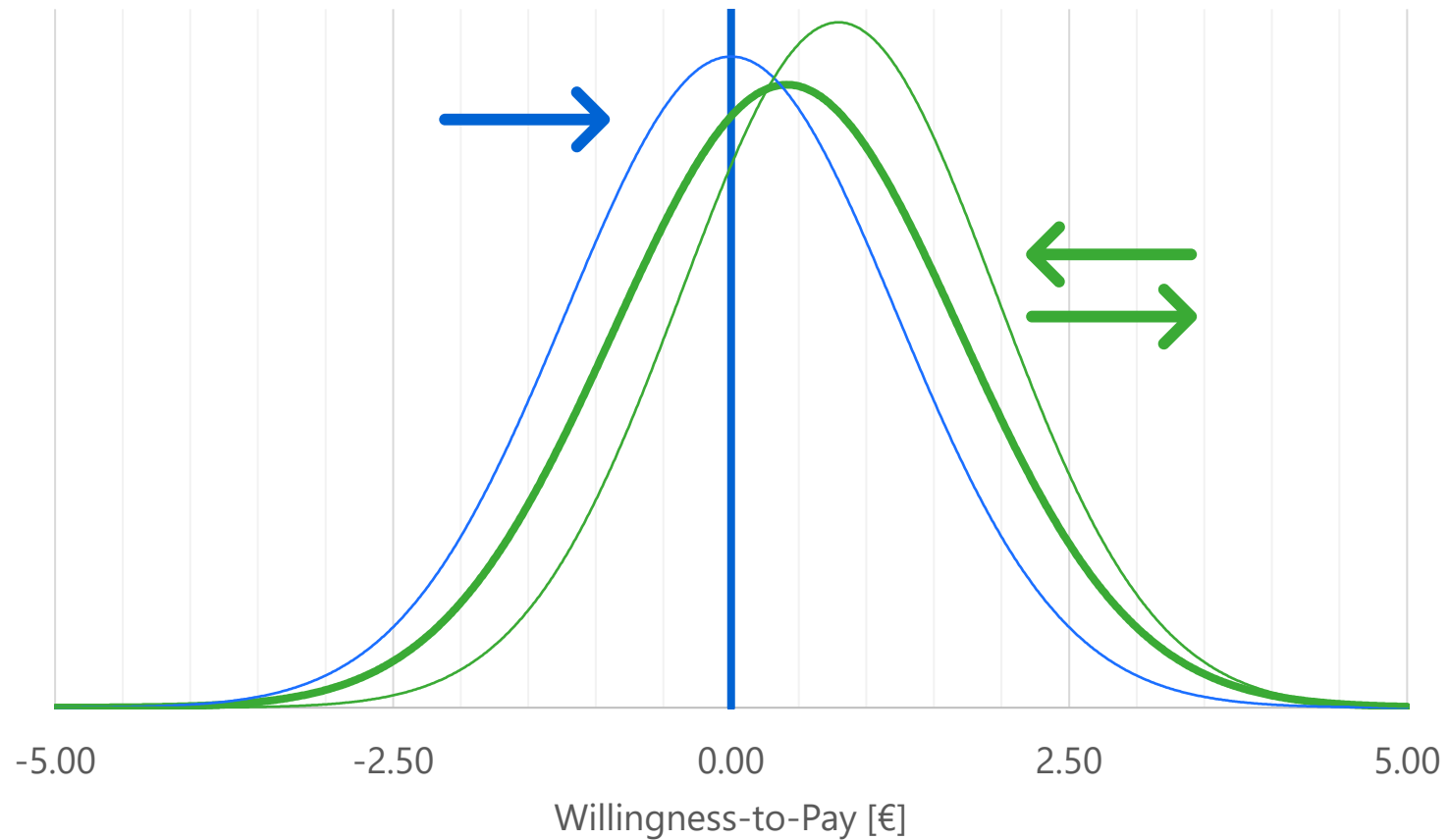
**One-way
rental**



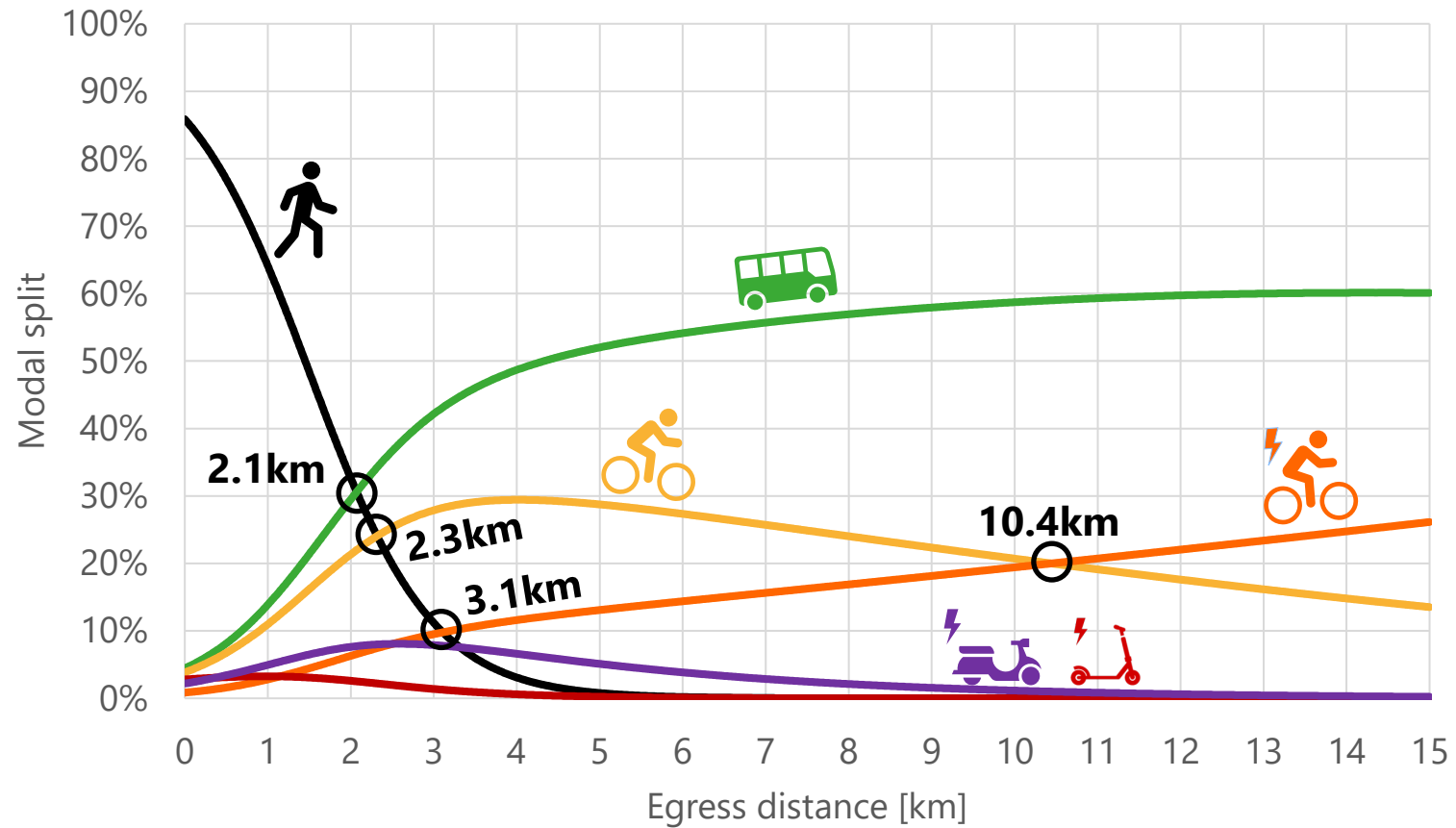
**Return
rental**



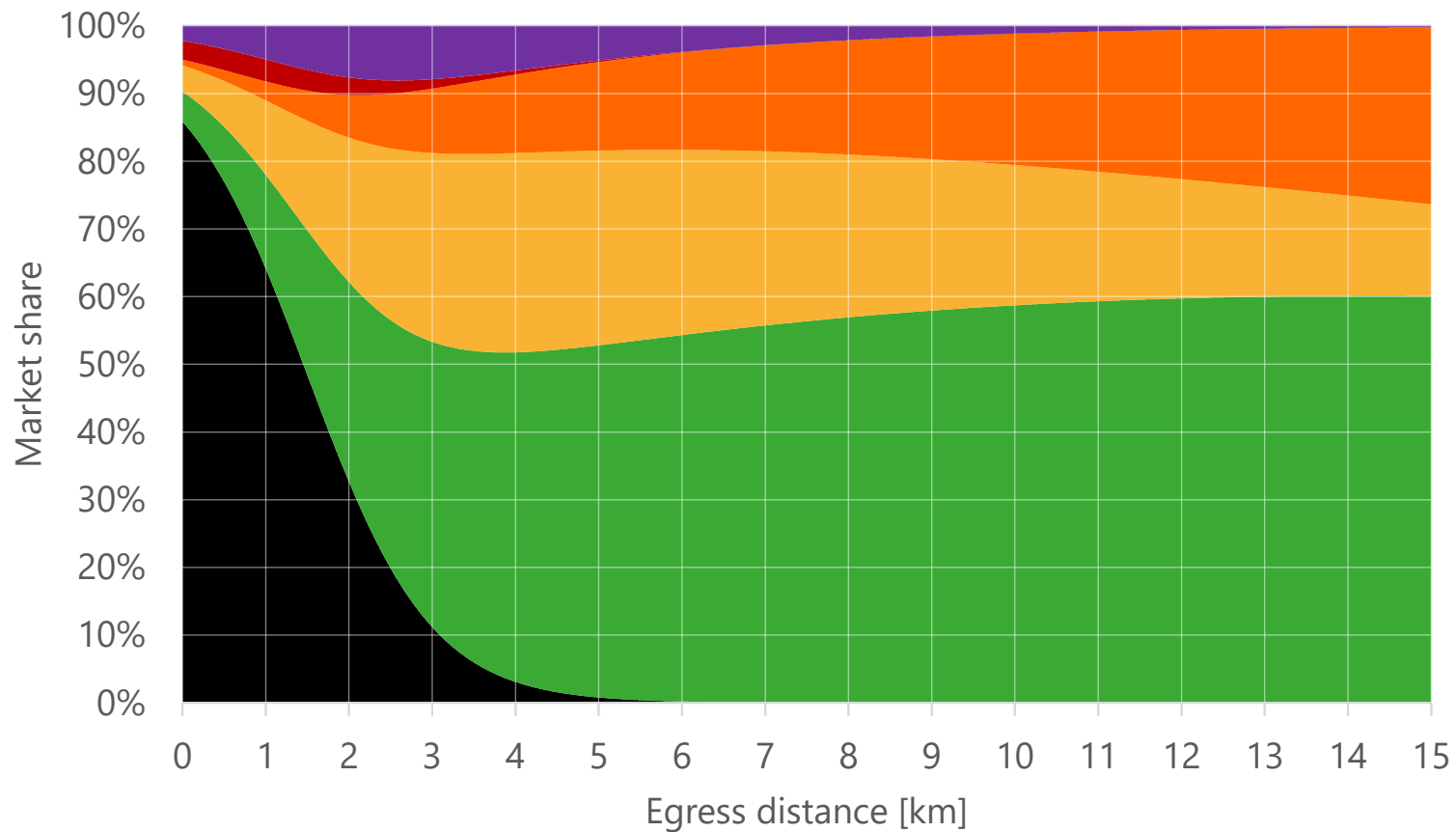
Renting type preference



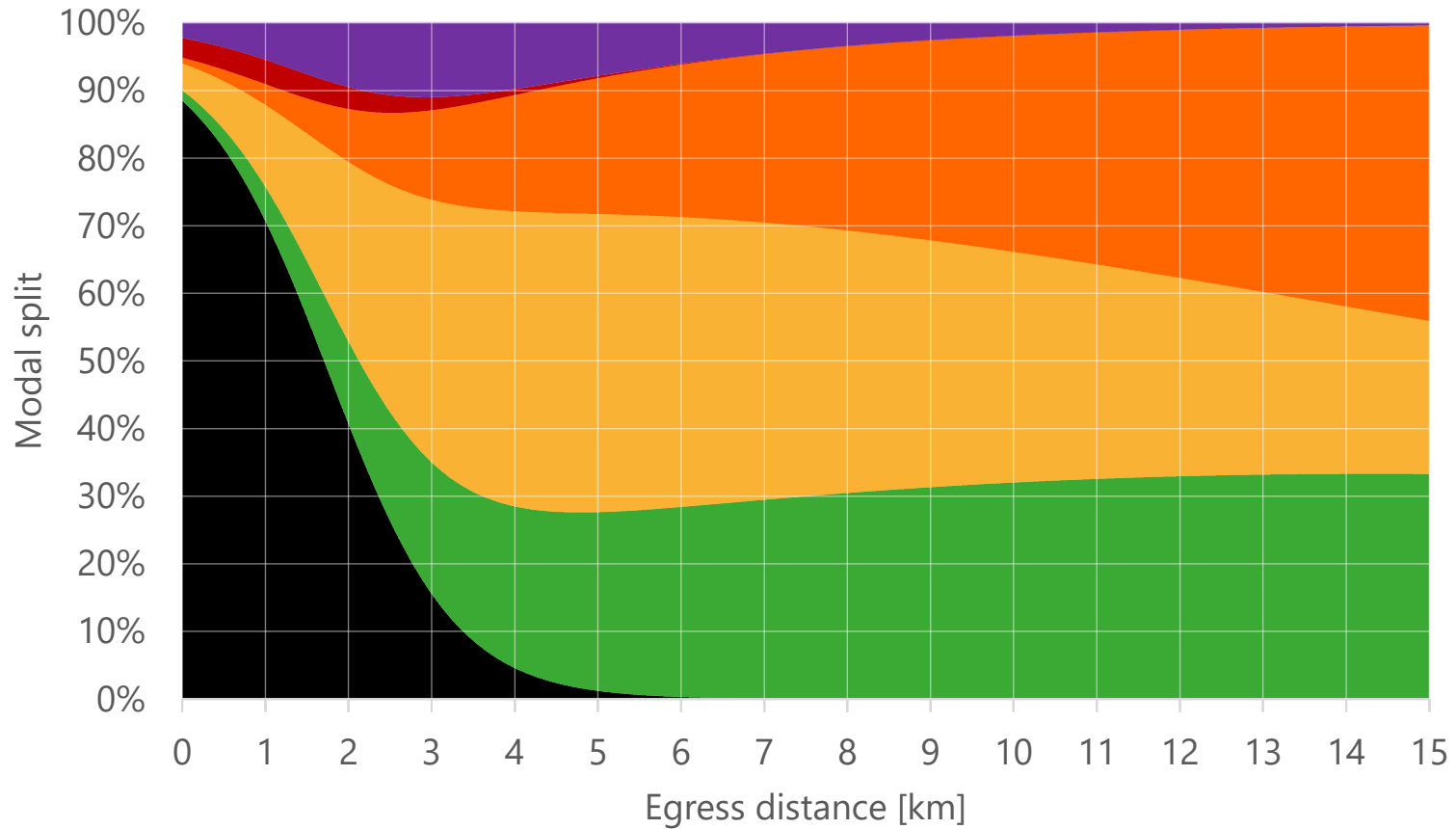
Implications



Implications



Implications

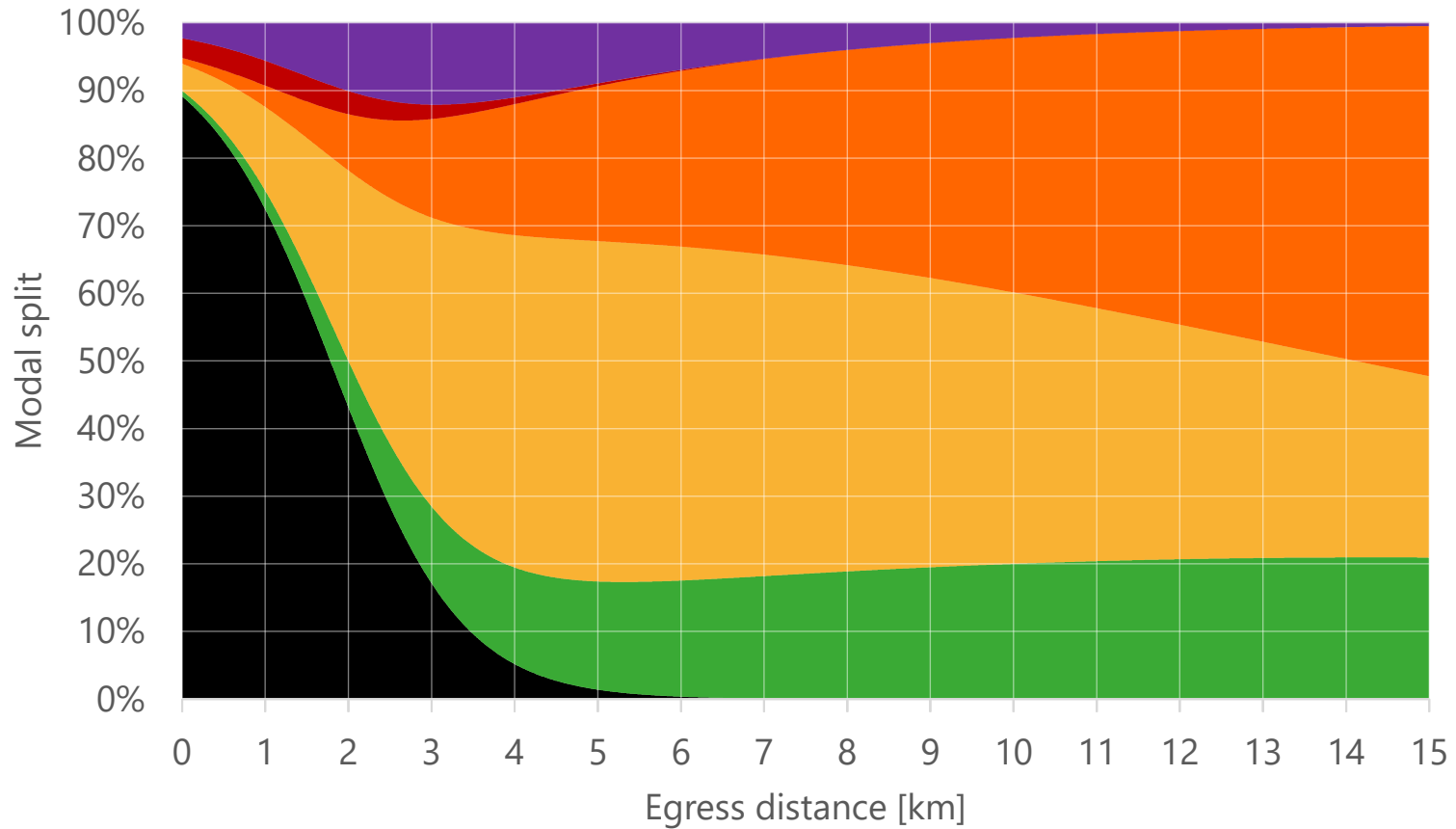


Walk from the bus



5min
↓
15min

Implications

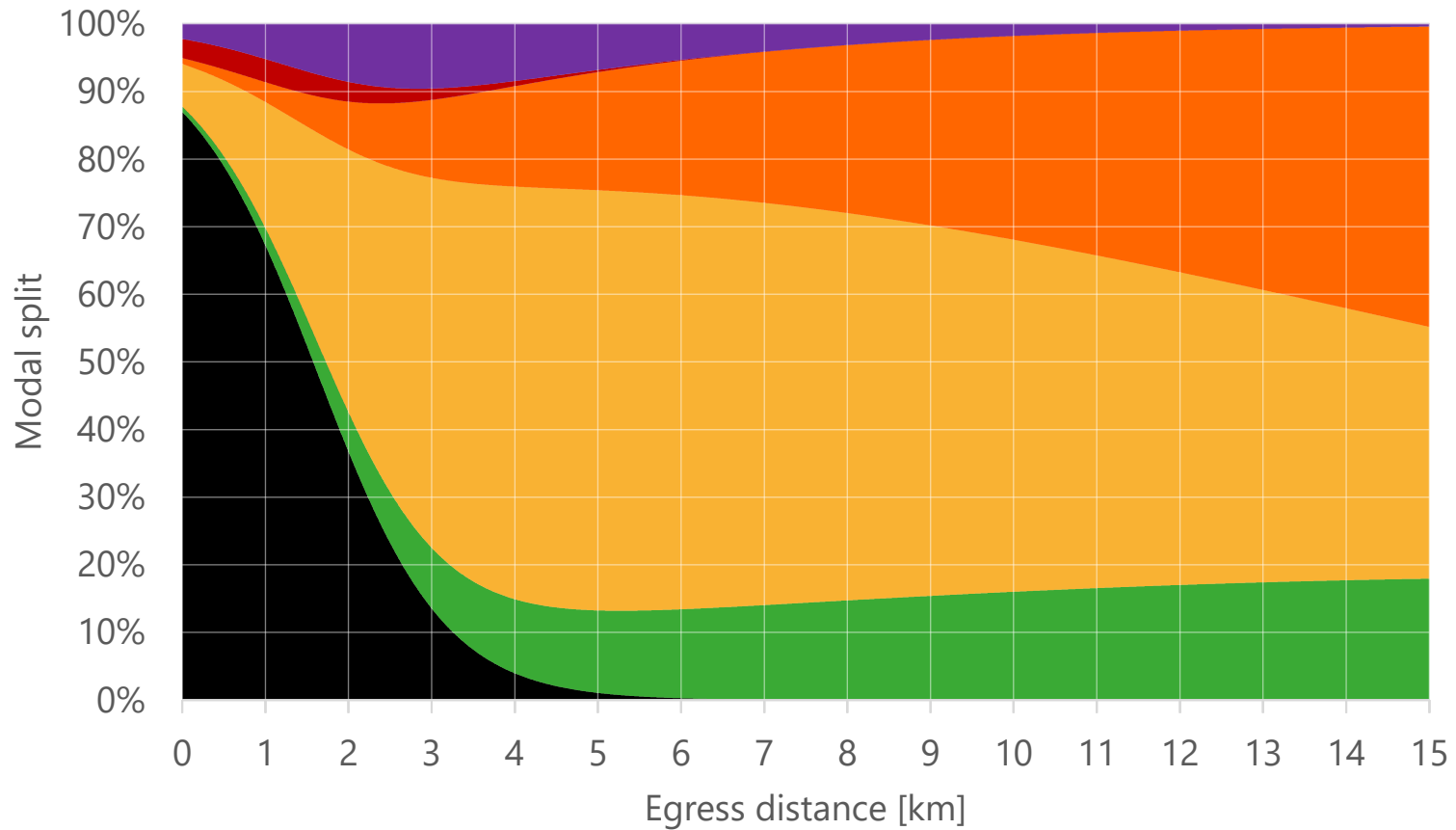


Wait for
the bus



5min
↓
15min

Implications

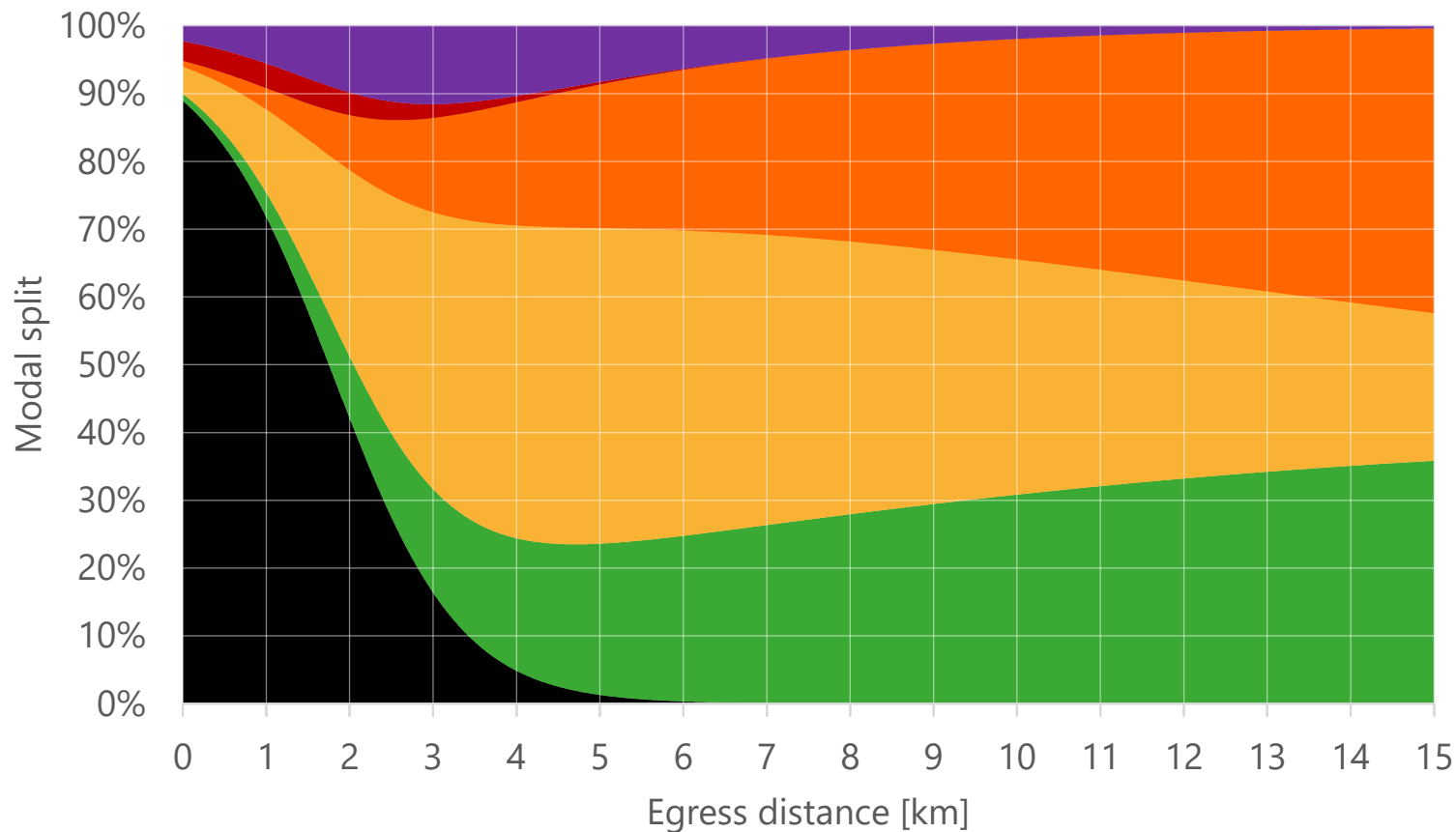


Discount
OV fiets



-50%

Implications



Discount
PT



-50%

Conclusion



- ❖ ... *ongoing*
- ❖ **Traditional modes** still dominate
- ❖ Focus on providing **good micromobility** services **in areas with lower quality PT**
- ❖ System design has limited impact
- ❖ "**Gratis**" has an impact far **beyond €0.00**



Bedankt voor uw
aandacht

Vragen?

