WELCOME

Official program will begin at 09:00

AUTOPIA

Ruter# holo Statens vegvesen VIKEN FYLKESKOMMUNE toi CICERO sensible4 TOYOTA

https://ruter.no/en/about-ruter/reports-projects-plans/autonomous-vehicles/

Automated vehicles

Automated vehicles

Since 2019, Ruter has been trialing self-driving vehicles as an integrated part of the Oslo region's public transport services.

Ruter
August 24, 2022

News | Why is Ruter doing this? | How will we do this? | Pilot projects | Reports | Contact

News

Are automated vehicles ready for Scandinavian winter operation?

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AUTOPIA Conference: What did we learn from 10 months of AV operation in Ski?

Schedule

31st of August, 2022

Time (CEST)	Topic	Report	Presenting org.
08:30	Registration		
09:00	Welcome		
	The Why - why are we piloting automated mobility?		
	Introducing AUTOPIA and partners		
		Summary of operations in Ski	Ruter
09:45	***Administration:***		
		Market availability analysis	Holo
		Site/vehicle matching process	Ruter
10:15	*Break (15 min)*		
		Methodology for route risk assessment	Holo
		Approvals of autonomous pilot projects in the Nordics	Holo
11:00	***Operations:***		
		Video observations in Ski-Hebekk	TØI
		Winter weather operation	Sensible 4
		Issues with snow and plowing	Sensible 4
		Human Actions Tracking	Holo
12:00	*Lunch break (45 min)*		
12:45	***Infrastructure:***		
		PUDOs	Sweco
		Actibump smart speed bump	Edeva
13:15	***User insights:***		
		Accessibility solutions for automated vehicles	Ruter
		Results from interviews Cicero	Cicero
		Results from surveys TØI	TØI
14:00	*Break (15 min)*		
		AutoMaas	TØI
		Transport System functionality	NPRA / SVV
	Comments and questions		
	30.000 vehicles next - are you a part of it?		
15:30	End of conference		

Times subject to minor changes

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The Why:

Why are we piloting automated mobility?

August 2022 – Lars Gunnar Lundestad, Project manager Ruter self-driving

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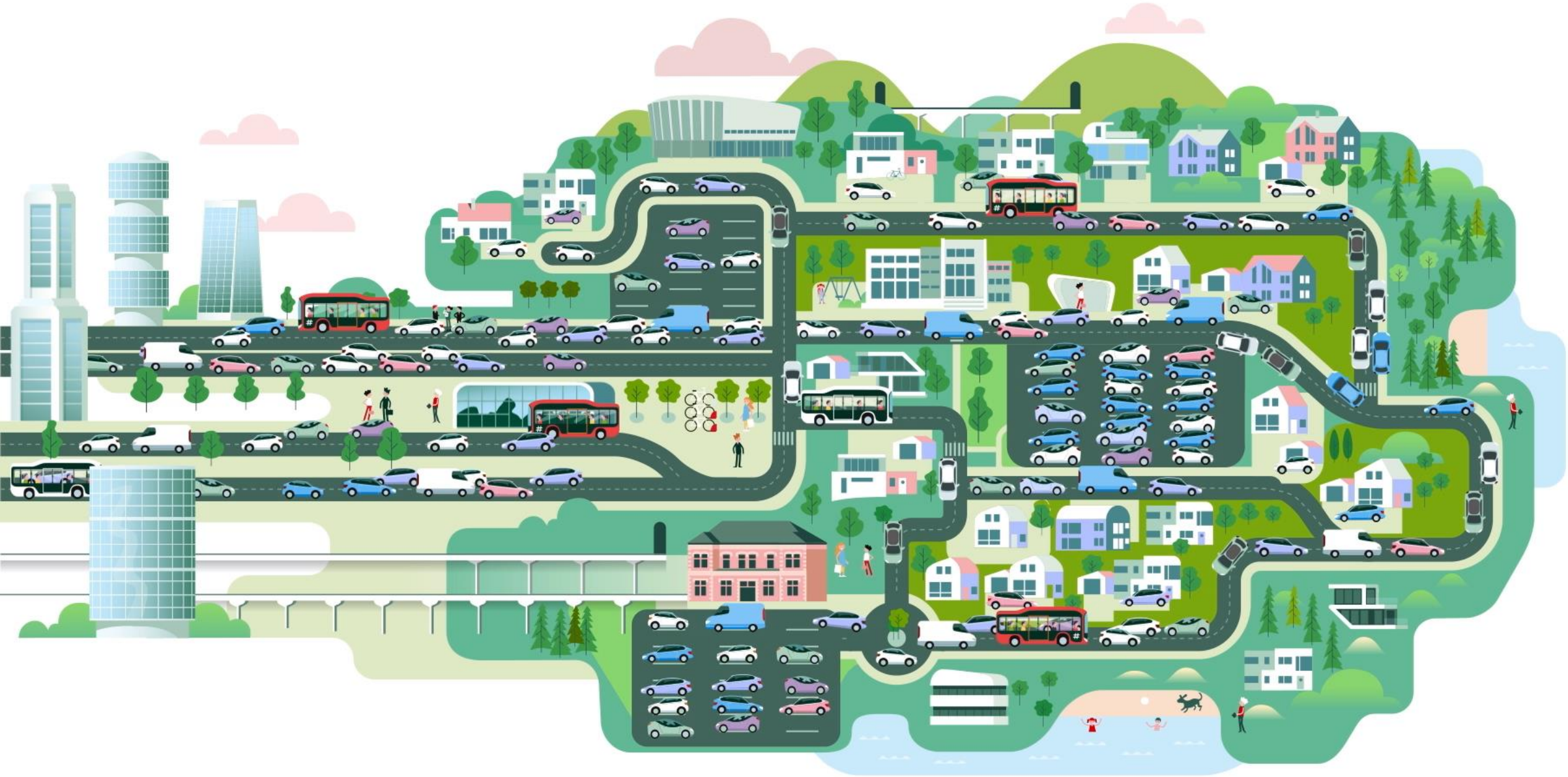

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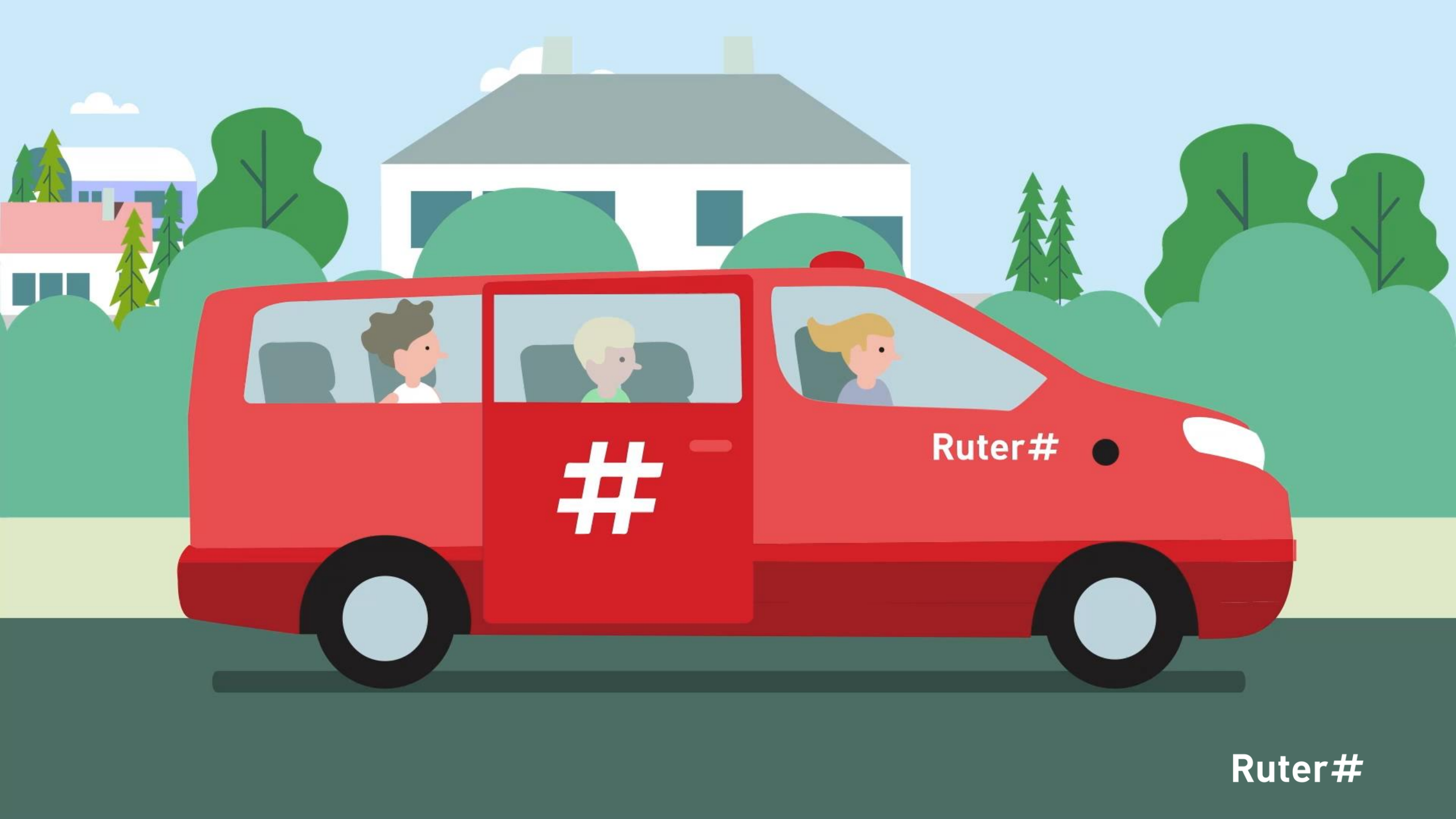
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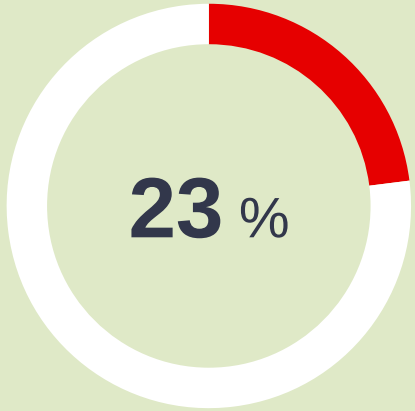
Public Transport in The Norwegian Capital Region



of Norwegian population

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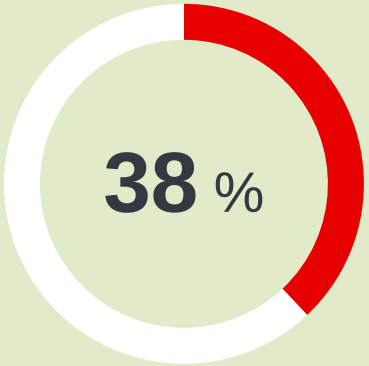
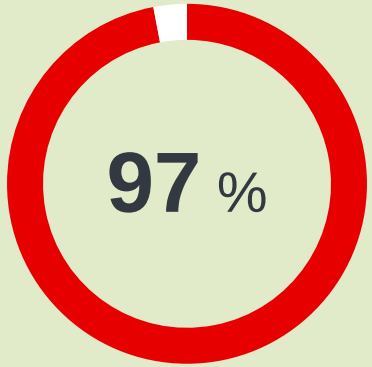
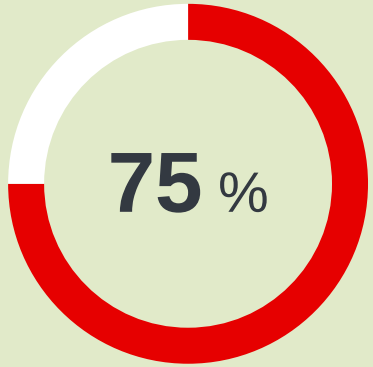


Market share



Customer satisfaction on board



Satisfaction among general population

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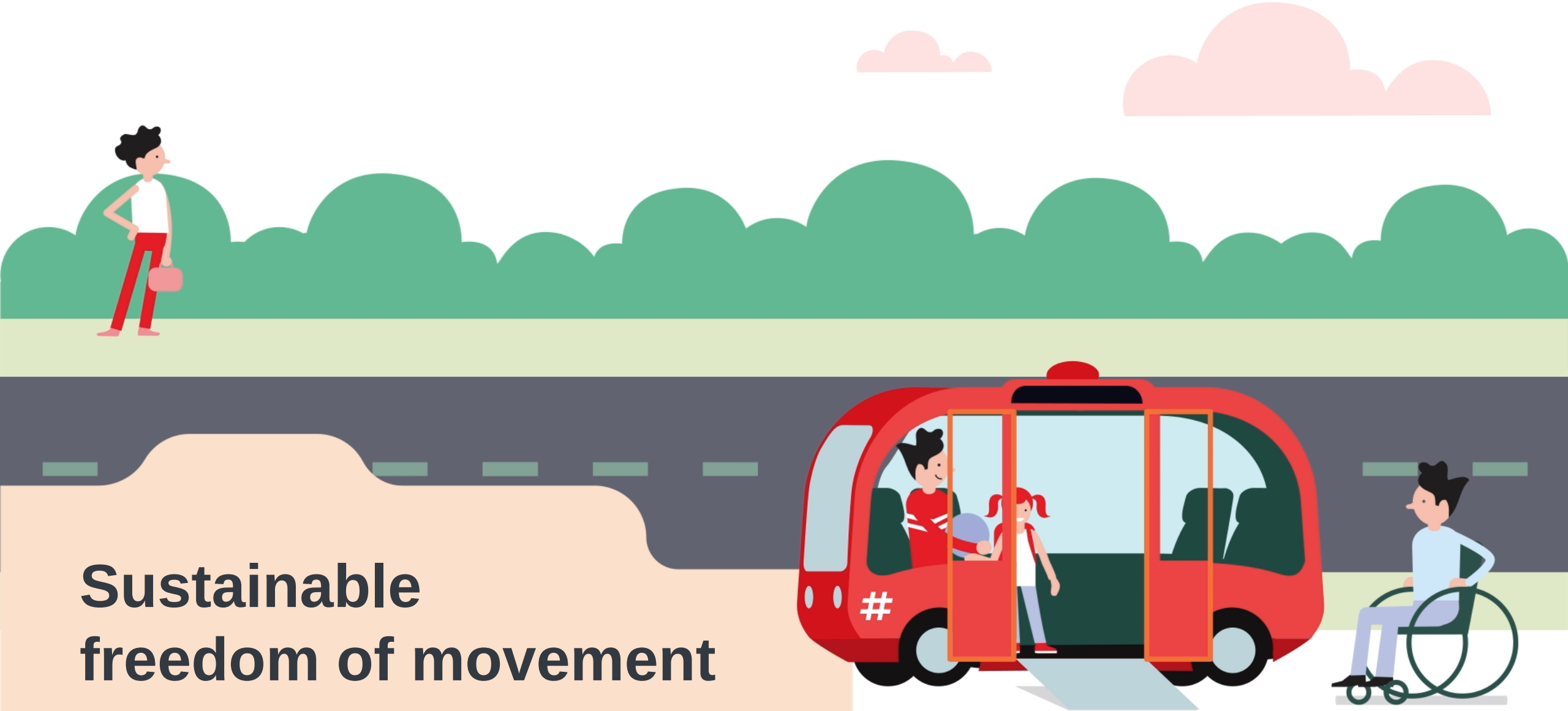

Sustainable freedom of movement

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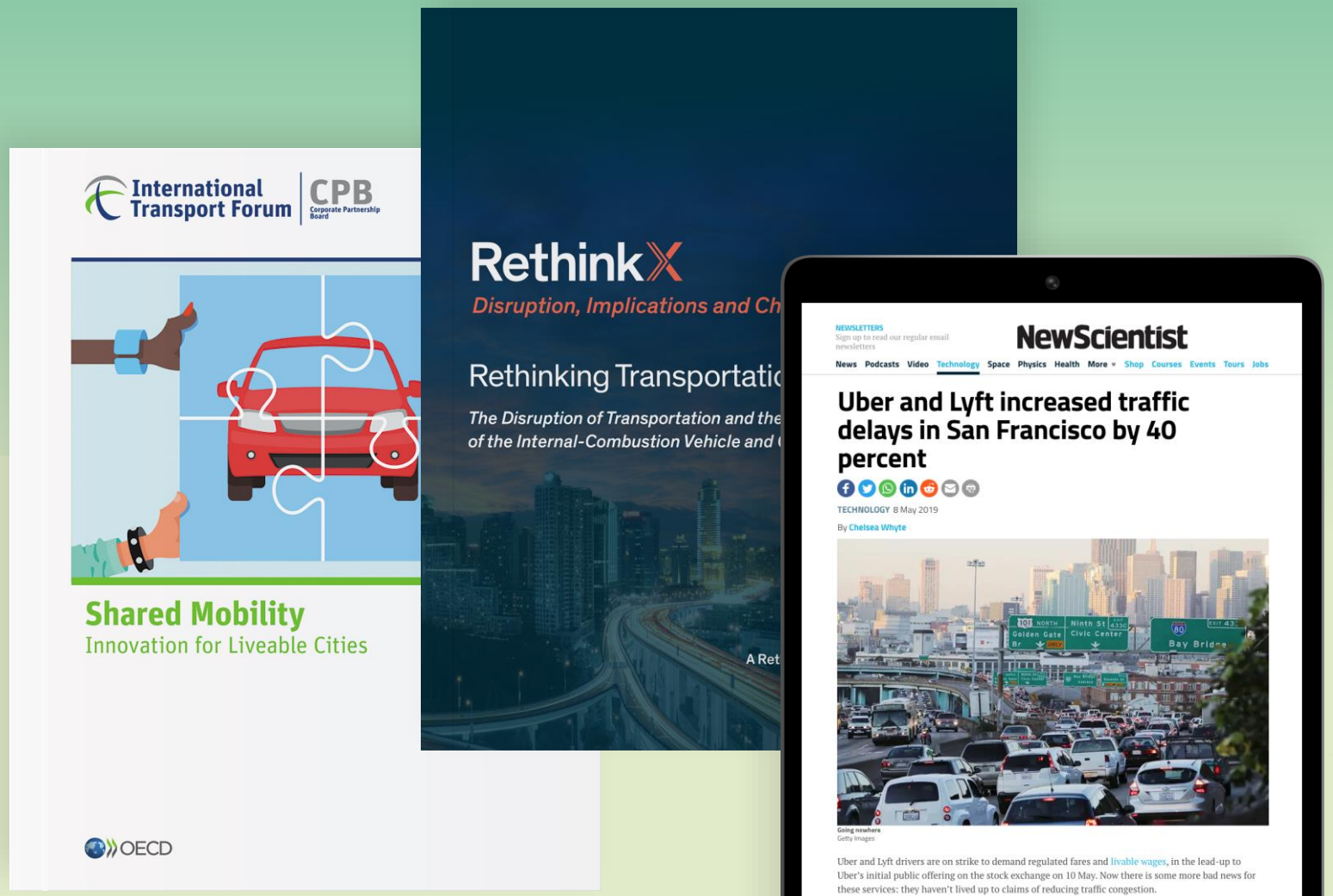
International Transport Forum
CPB
Corporate Partnership Board
Shared Mobility
Innovation for Liveable Cities
OECD
RethinkX
Disruption, Implications and Ch
Rethinking Transportatio
The Disruption of Transportation and the
of the Internal-Combustion Vehicle and
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Uber and Lyft increased traffic delays in San Francisco by 40 percent
TECHNOLOGY 8 May 2019
By Chelsea Whyte
Going nowhere
Getty Images
Uber and Lyft drivers are on strike to demand regulated fares and livable wages, in the lead-up to Uber's initial public offering on the stock exchange on 10 May. Now there is some more bad news for these services: they haven't lived up to claims of reducing traffic congestion.
In San Francisco, rides through these two services increased traffic delays by 40 per cent over a six-year period, according to a new study.
"We collected information on where and when exactly these trips occur and found they are at the most

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The Oslo study

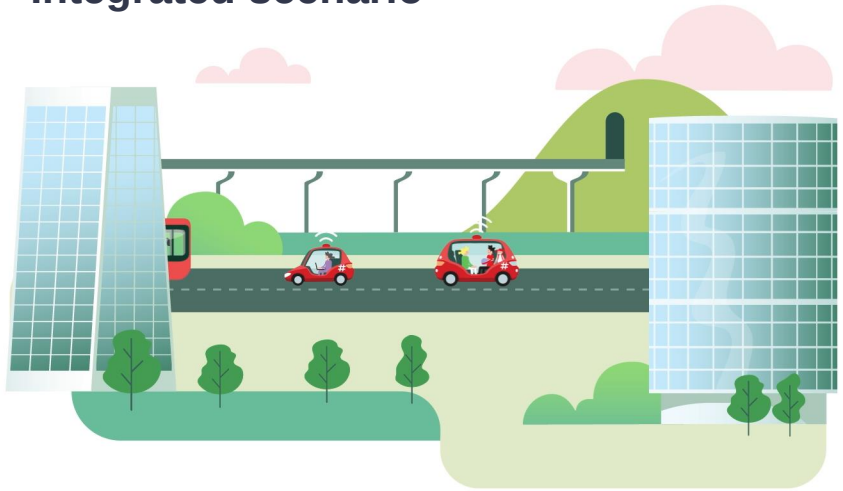
How autonomous cars may change transport in cities

Ruter#

The Oslo study scenarios

Base scenario

Integrated scenario



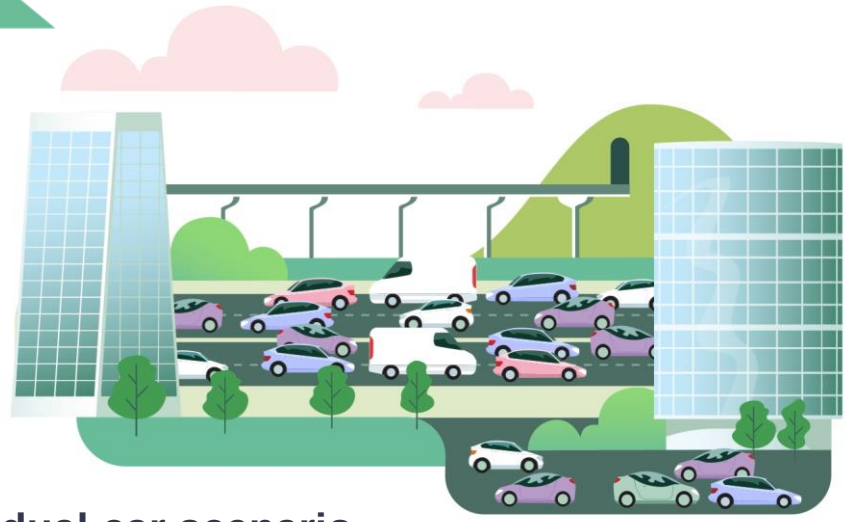
Strong

transport

Private — Preferences — Shared

Public

Weak



Individual car scenario

Shared car scenario

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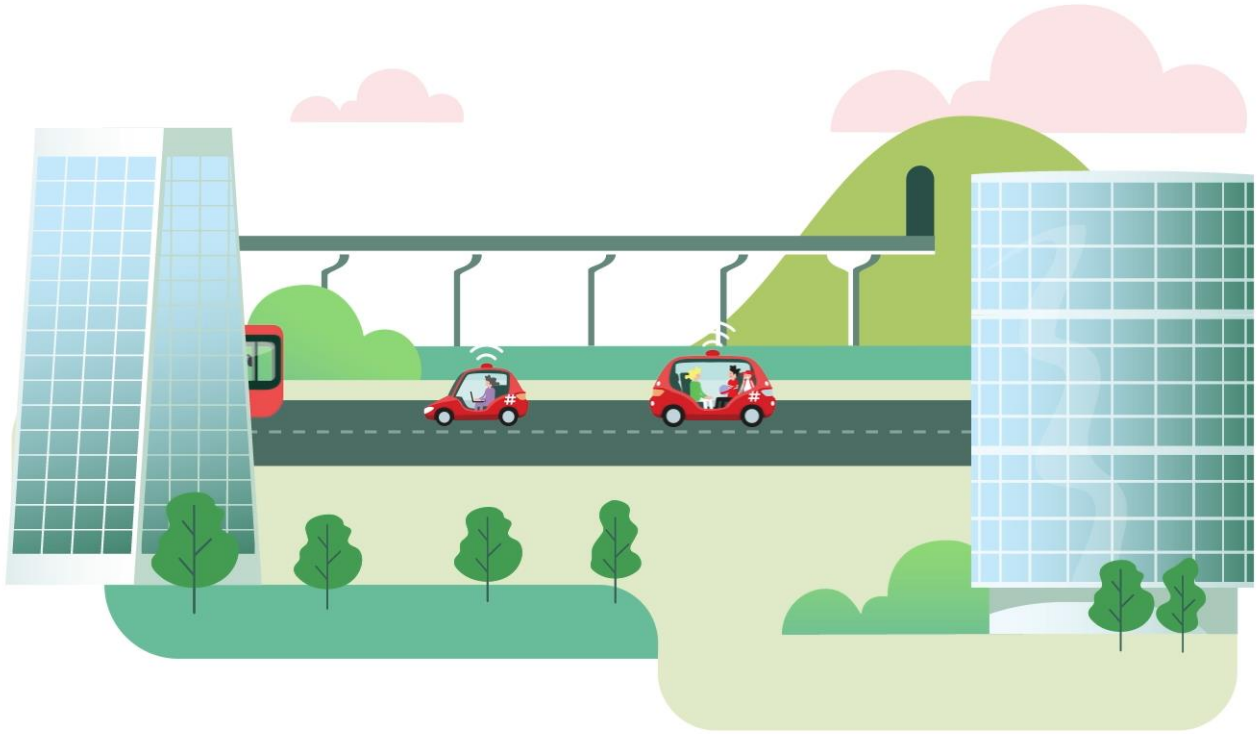
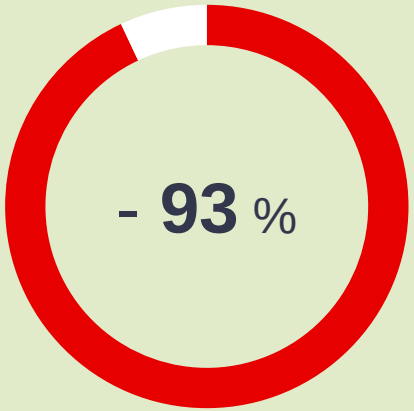
Results from the study

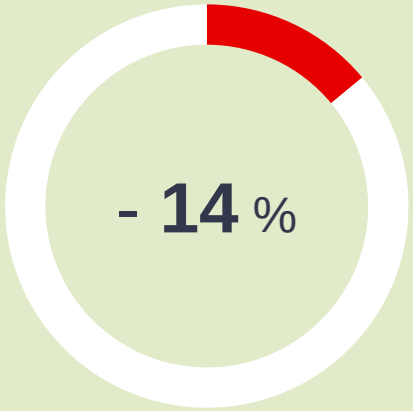
Integrated scenario



Fleet size reduction



Vehicle km reduction



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Results from the study

Shared car scenario

Traffic increase

+ 100 %

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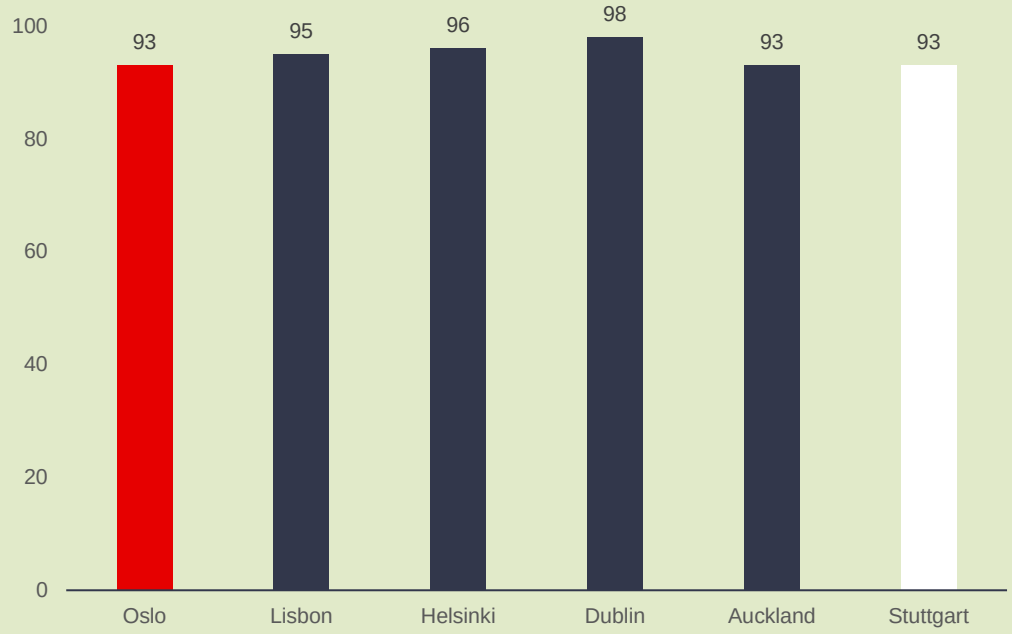
Are the results comparable?

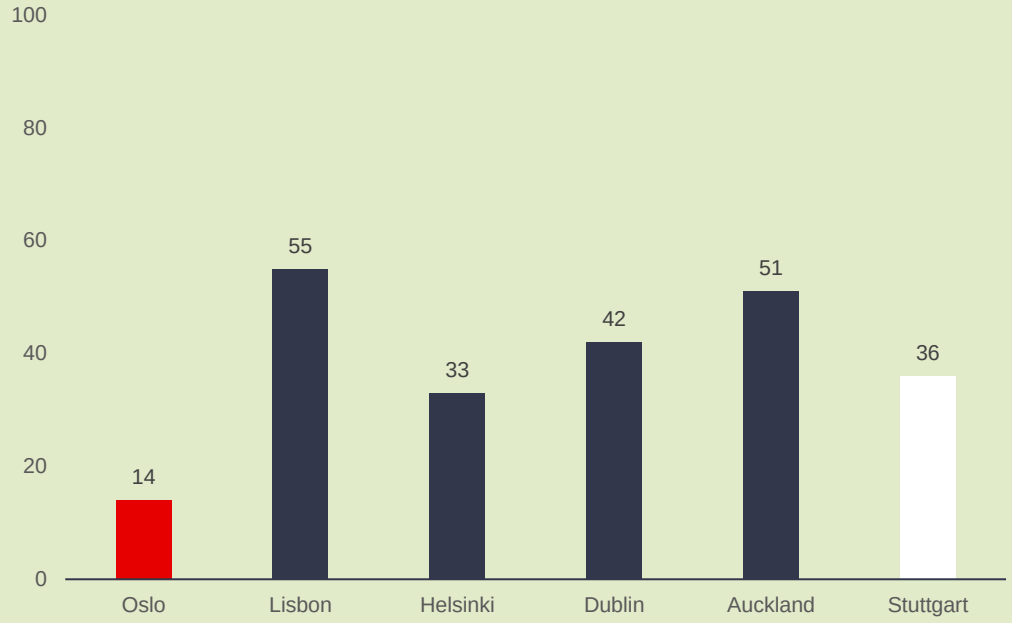
Reduction in number of vehicles

In scenarios comparable with 1b



Reduction in vehicle kilometers

In scenarios comparable with 1b



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Three takeaways

1 Ride sharing is a key factor

2 The transport system must include high capacity solutions where demand is high

3 Walking and biking must still be a part of the door to door solution

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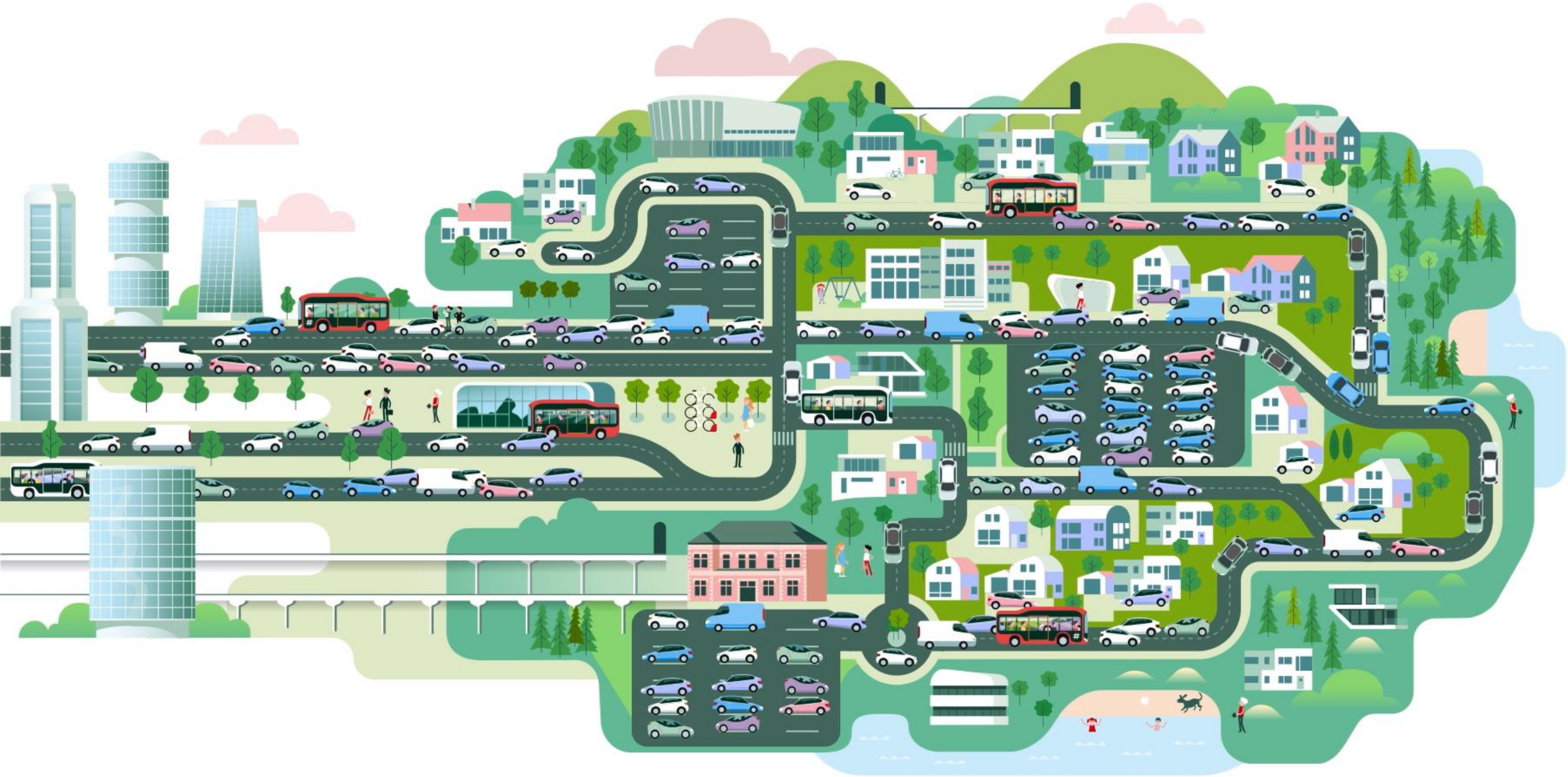

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