



Teknologirådet

WP3: Scenarios for future mobility

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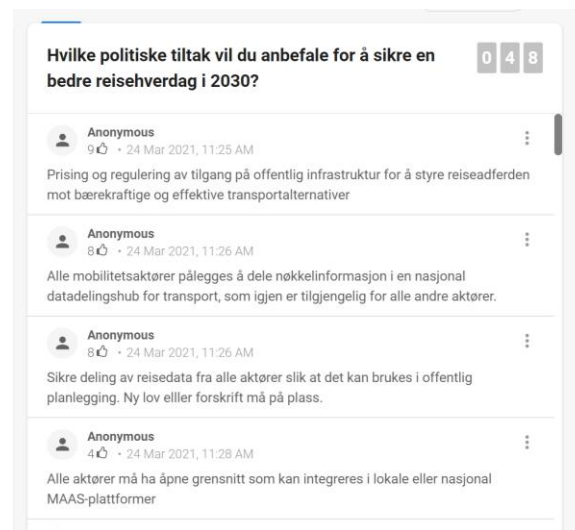
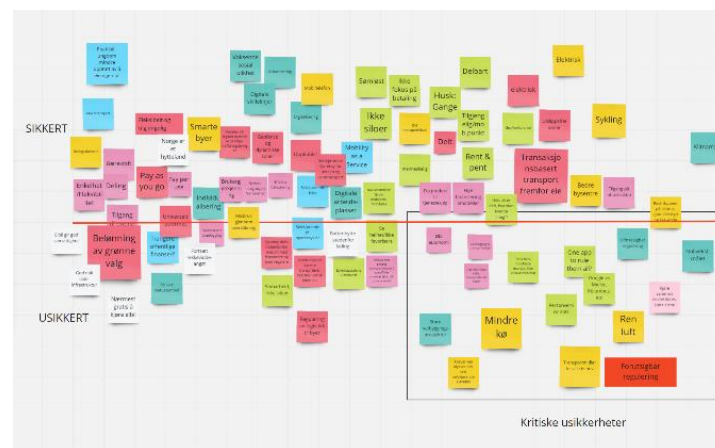
▶ Scenarios: What and why?

- ▶ Plausible stories about the future
- ▶ 10 year horizon
- ▶ Thinking, not prediction
 - ▶ Understand change
 - ▶ Opportunities and consequences
 - ▶ Identify choices we can make today
- ▶ Create discussion!



► Process:

- Online scenario development with experts and stakeholders
- Workshop with 32 stakeholders
 - Discussions in breakout rooms
 - Write and vote for recommendations





REISEHVERDAGEN I 2030

SCENARIOER FOR BYTRANSPORT



Teknologirådet

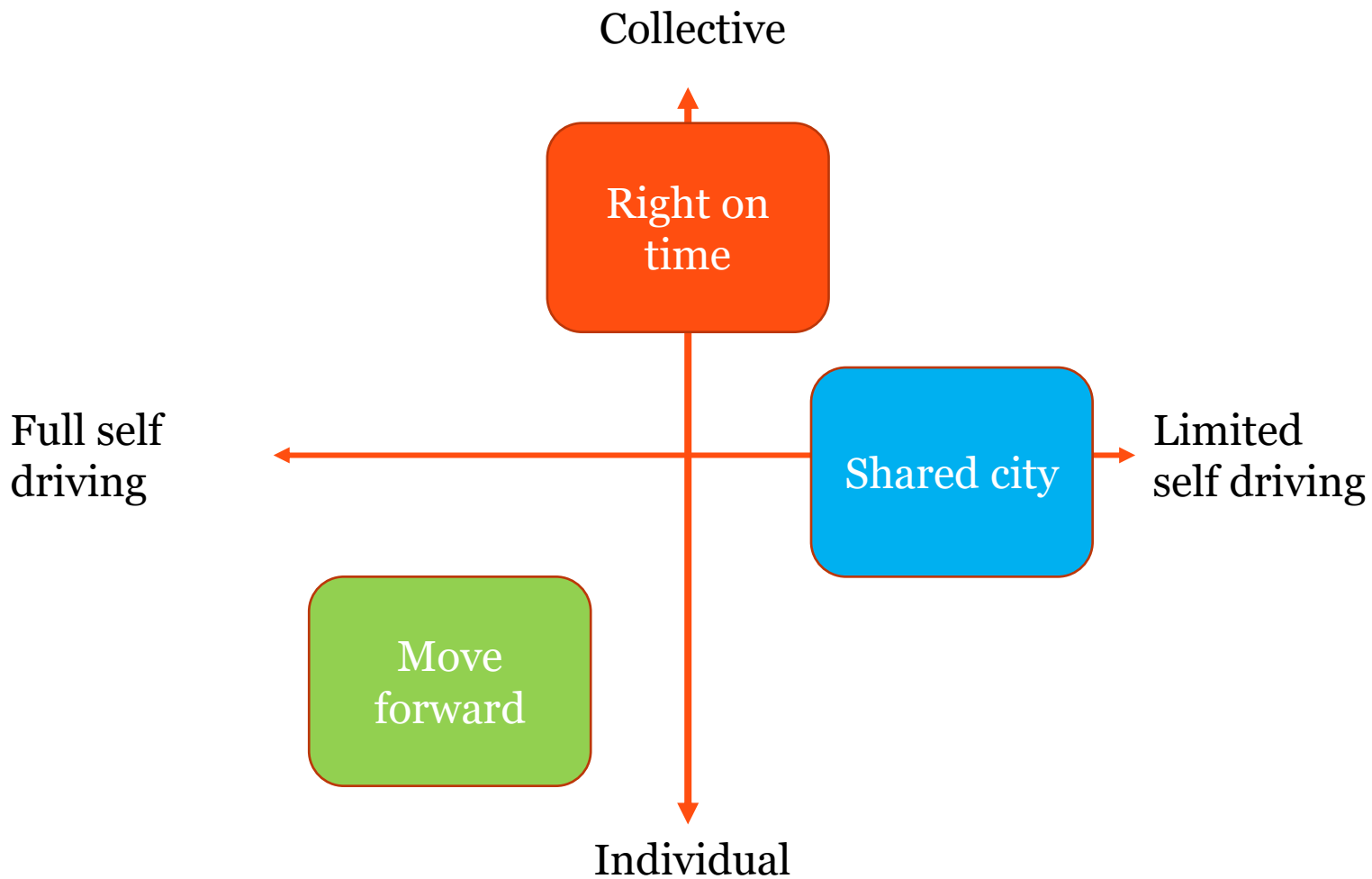
“Daily travel in 2030”

▶ **Things we can be certain of:**

- ▶ Growing cities
- ▶ Less public money
- ▶ More data
- ▶ New mobility actors

▶ **Open questions:**

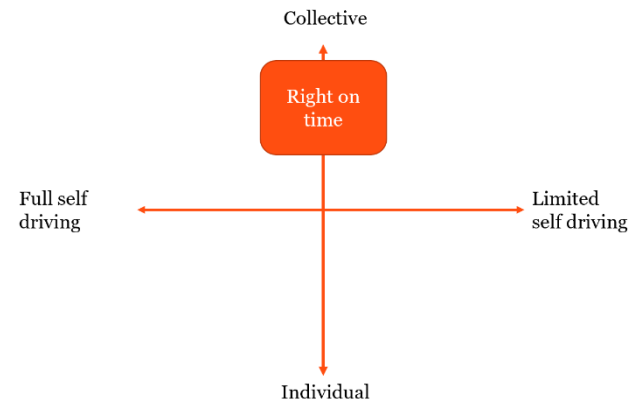
- ▶ Autonomous vehicles?
- ▶ Collective or individual?



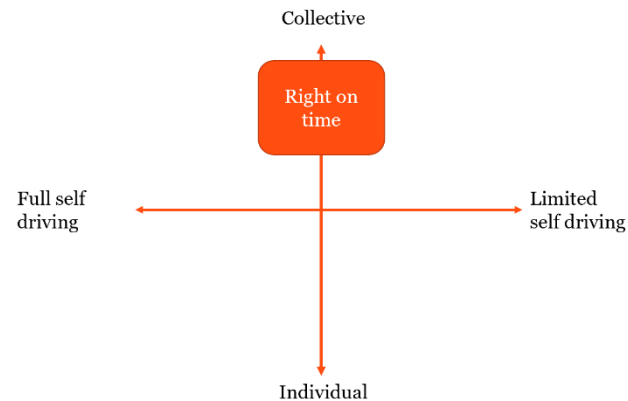
▶ Right on time

Public transport should be first choice

- ▶ On-demand buses
- ▶ One app for all transport
- ▶ Add-on services selected by PTA
- ▶ Car free cities



► Reactions:



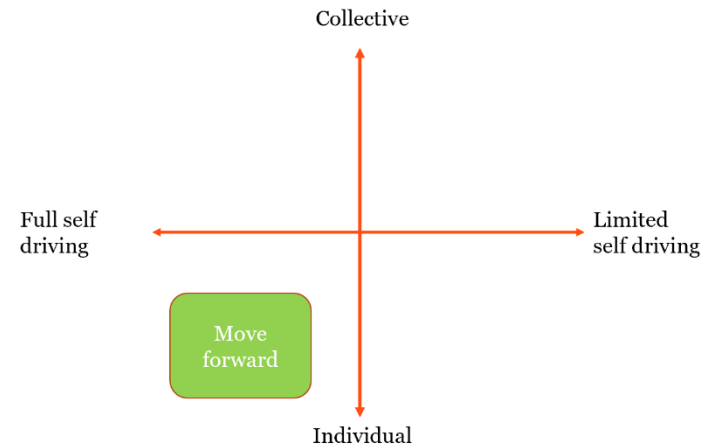
- ▶ Attractivity should be the reason for choosing public transport. Not that it's the only option.
- ▶ One app seems nice – but is it possible?
- ▶ On-demand buses could create unwanted traffic in small neighbourhoods. Maybe reliability is better?



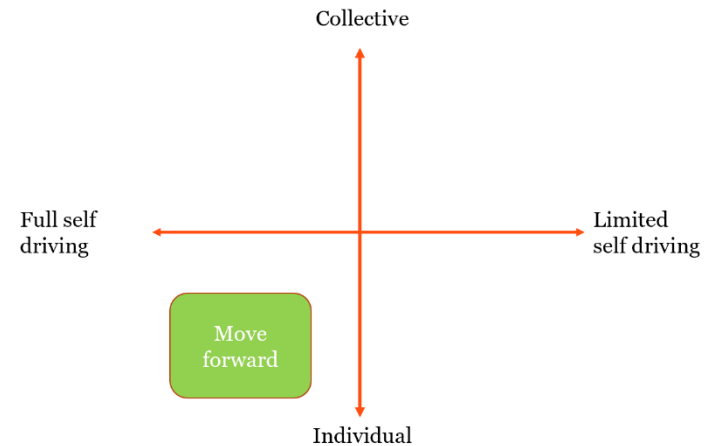
▶ Move forward

Public transport did not recover after the pandemic

- ▶ Private chauffeur for everyone
- ▶ International mobility providers
- ▶ Priority access
- ▶ Sponsored trips



► Reactions

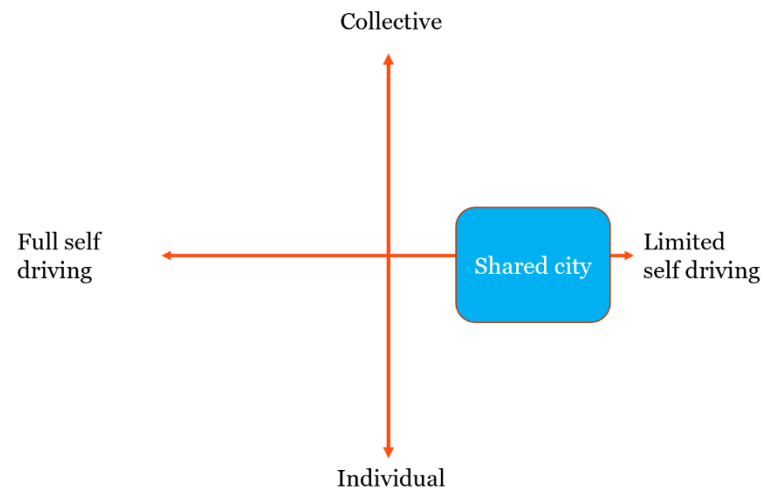


- ▶ Social inequality in the mobility system is highly unwanted
- ▶ Personalised mobility offers and packages could be interesting
- ▶ Privacy and data collection is underestimated when we discuss future mobility

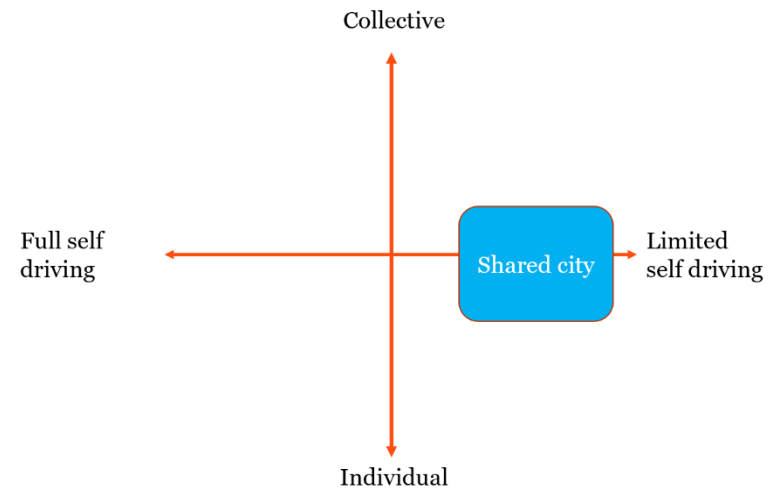
▶ Shared city

Data driven sharing economy

- ▶ City as a mobility provider
- ▶ Sharing is incentivized
- ▶ “Digital twin”
- ▶ Nudging and road pricing



► Reactions



- ▶ The most preferred scenario (48 %)
- ▶ Digital twins and nudging could be helpful for future mobility
- ▶ Can we depend on the sharing economy to solve mobility challenges?

▶ Reccomendations

- ▶ **All mobility providers** should **share relevant data** to a central data hub
 - ▶ In order to help public planning
 - ▶ Allow for integration on platforms
- ▶ Cities need better digital infrastructure, such as **digital twins**. Real time data and good tools can allow for better planning.
- ▶ **Privacy must be safeguarded**
 - ▶ Right to travel anonymously
 - ▶ Data should be stored on user's own units



▶ Reccomendations

- ▶ **Flatten the (traffic) curve:** Road pricing, nudging and systematic use of home office can be used to promote more sustainable transport.
- ▶ **Tax and regulate access to public areas and infrastructure** in order to promote sustainable and efficient mobility.

