



WHY ACCESSIBILITY BEATS (MOTORISED) MOBILITY

Facing climate mitigation, adaptation needs and transport justice

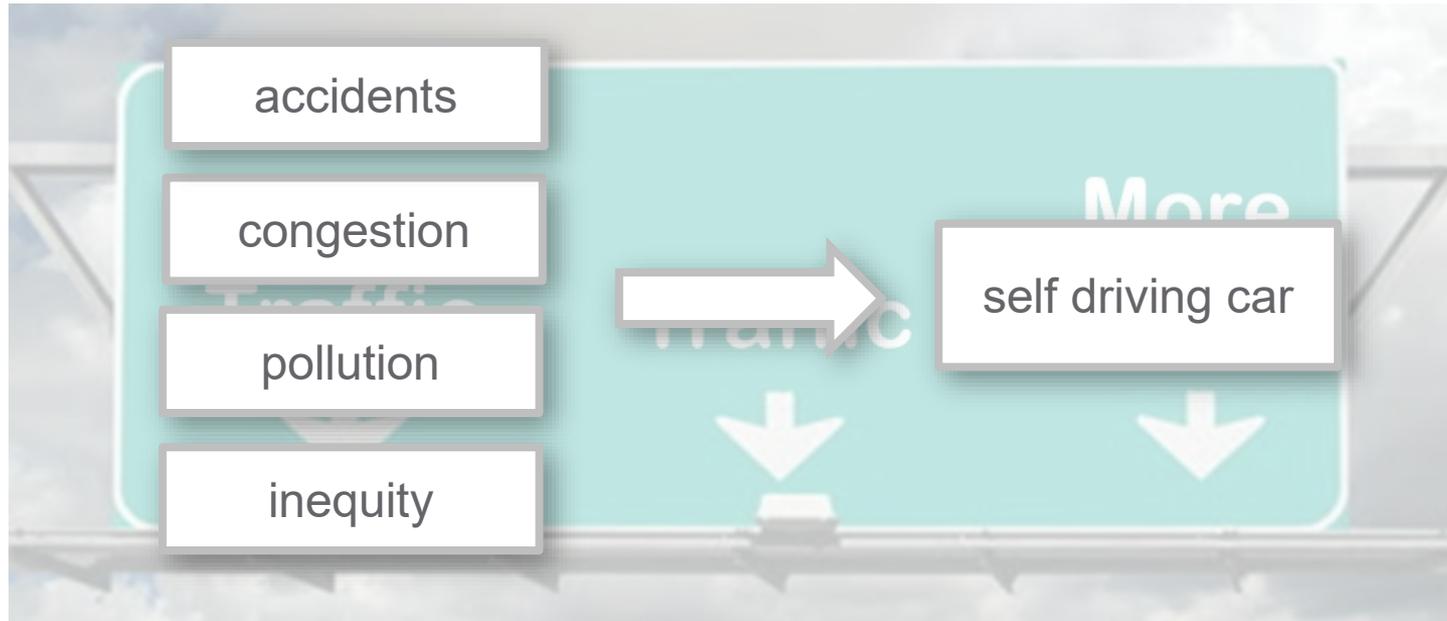
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CHALLENGES



CHALLENGES

accidents

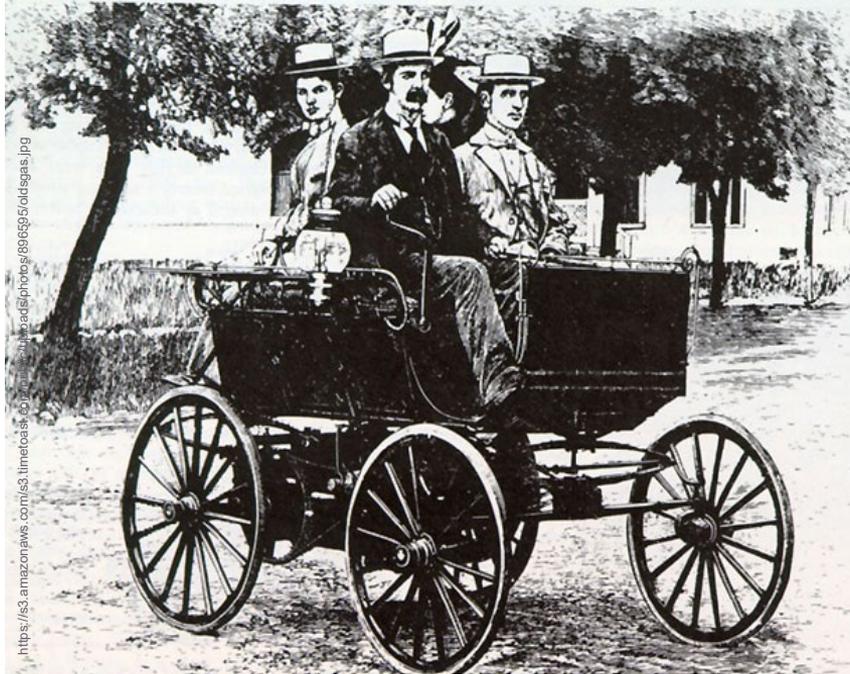
congestion

pollution

inequity



... AND THE SOLUTION



self driving car



WHAT DO WE REALLY NEED?



FOSSIL MOBILITY



ELECTRIC MOBILITY



AUTONOMOUS
MOBILITY

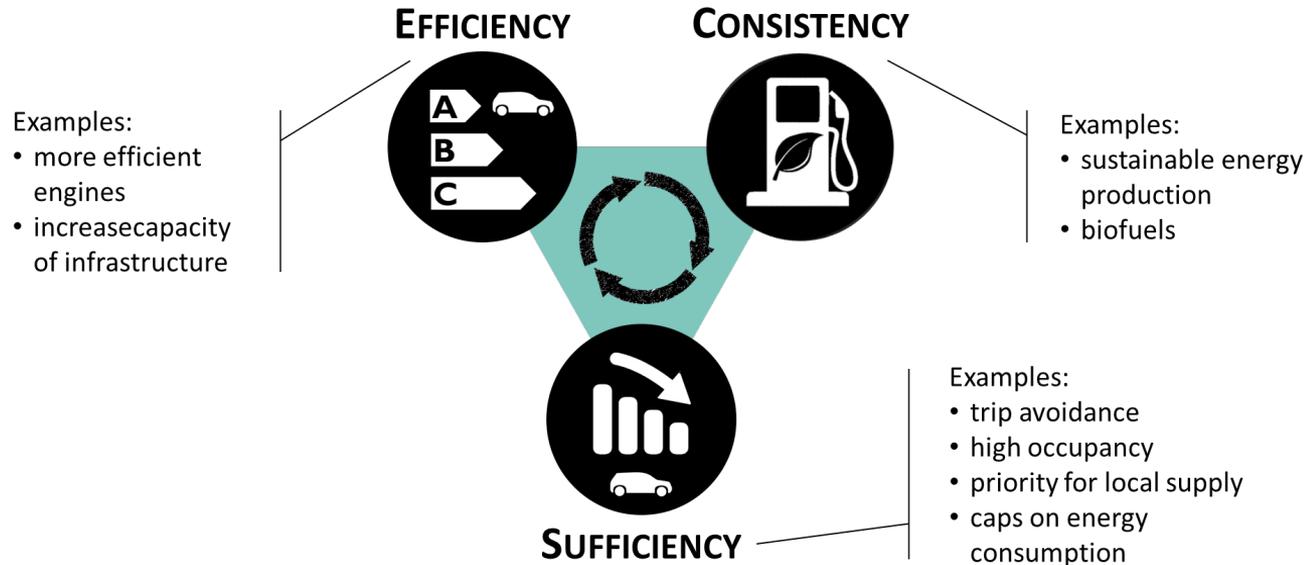
TRUE TRANSPORT CHALLENGES

So much to do, so little time...



MITIGATION STRATEGIES IN TRANSPORT

Which strategies ensure climate mitigation?
Which measures does it need?



WHERE EFFICIENCY FAILS



CLIMATE IMPACTS AND ADAPTATION NEEDS



→ Will increasing heat in cities lead to rural migration and more commuter traffic?

→ How will increasing cases of wildfires, flooding and land slides affect our infrastructure?



TRANSPORT JUSTICE



Generational justice



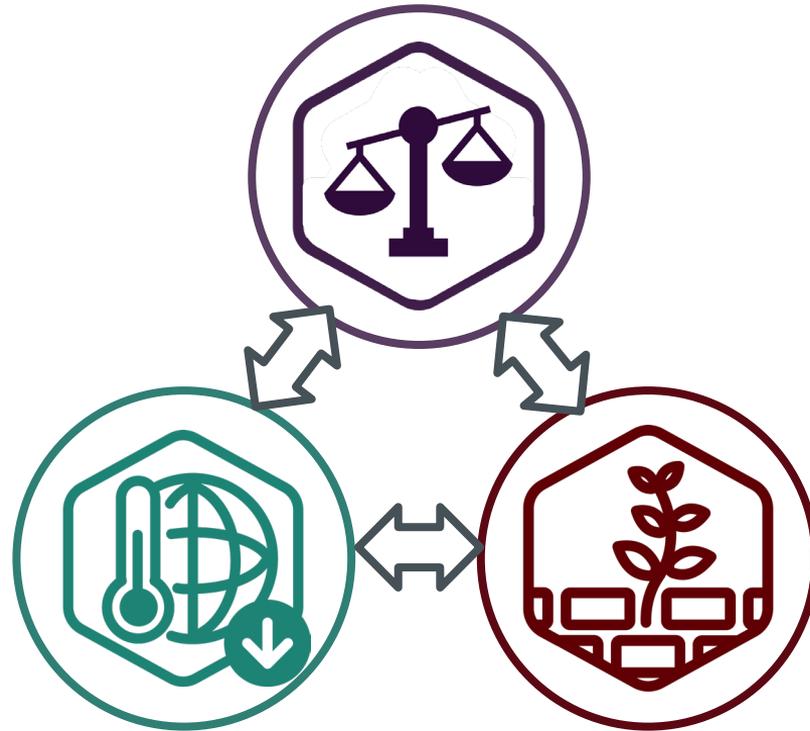
Global justice



Societal justice



... AND ALL WITHIN 15-20 YEARS?



A DIRE NEED FOR PARADIGM SHIFTS

It's not about mobility, it's about accessibility



HOW TRANSPORT NEEDS ARE UNDERSTOOD



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HOW TRANSPORT NEEDS SHOULD BE DEFINED

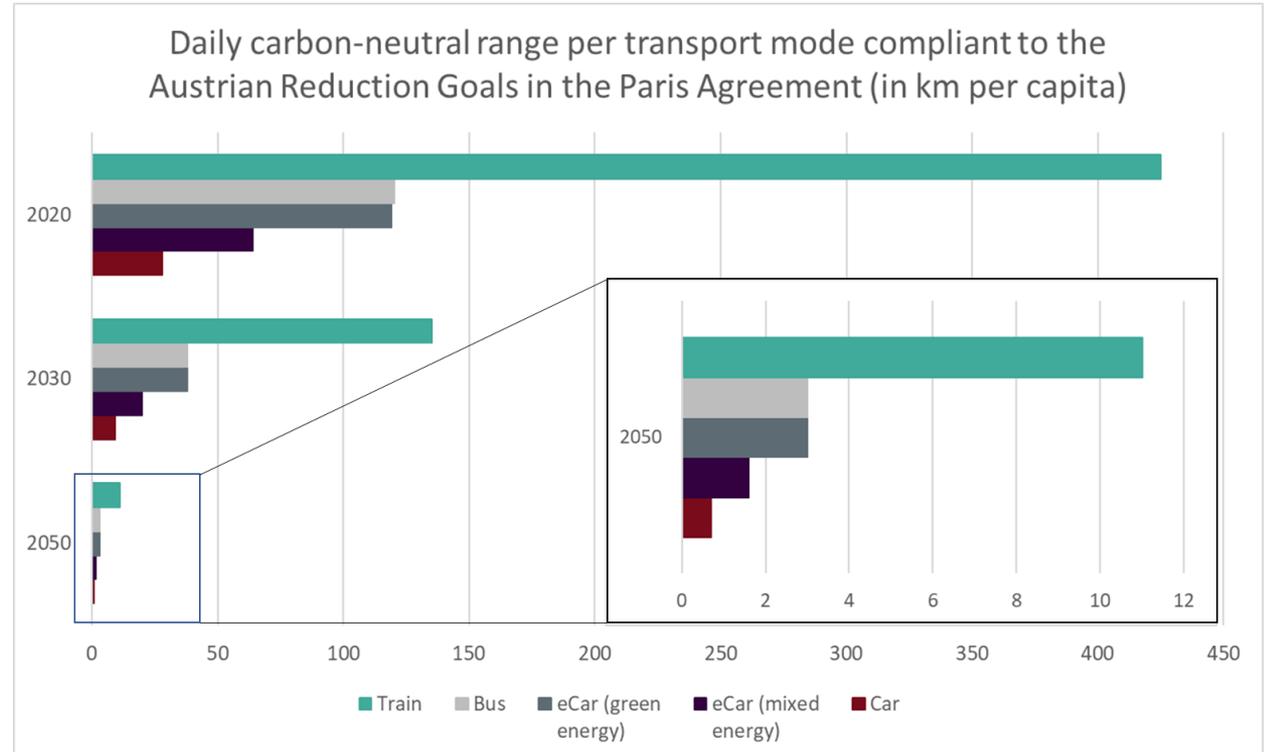


*As much as necessary,
as little as possible.*

Foto von Andrew Neel von Pexels

A THOUGHT EXPERIMENT...

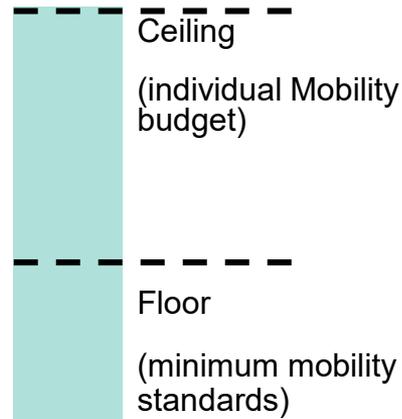
This is how far we could only go per day if 2050 decarbonisation targets in the transport sector were mandatory tomorrow...



WHAT IF EACH OF US HAD A MOBILITY BUDGET



Yearly mobility budget



The upper limit is defined by how much transport emissions we can „afford“ per person and year

The lower limit is defined by how much emissions have to be accepted for a person to reach the nearest everyday functionalities.

NEW PRIORITIES



Location



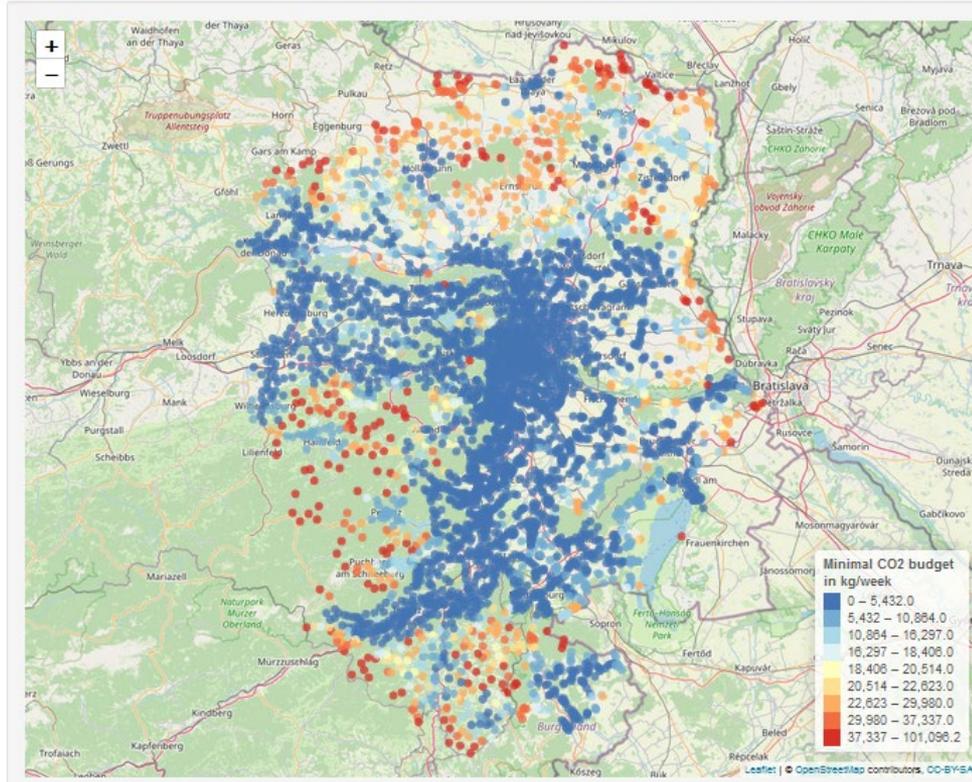
Digitalisation



Transportation

IT IS POSSIBLE!

Minimal Budget Map



Local accessibility of everyday functionalities...

- *brings transport decarbonisation targets within reach*
- *frees surfaces for nature based solutions for more resilience*
- *provides equal accessibility for people from all walks of life*

WHAT TO DO

How to be part of the solution



QUESTIONS TO ASK OURSELVES



Does our research improve accessibility (and not motorised mobility)?



Does our research improve justice (generational, global, social)?



Does our research improve adaptation without risking mitigation?

THANK YOU!

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Picture sources

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Slide 5: <https://i.imgur.com/aTe4Z2b.gif>

Slide 6: <http://www.humancoral.org/blog/2013/11/23/we-want-cities-designed-for-people-not-cars.html> (edited)

Slide 9: <https://www.pinterest.com/pin/25-years-difference-i-years-difference-40-years--522487994275544473/> (edited)

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