

Are selfdriving vehicles the solution to the environmental challenges?

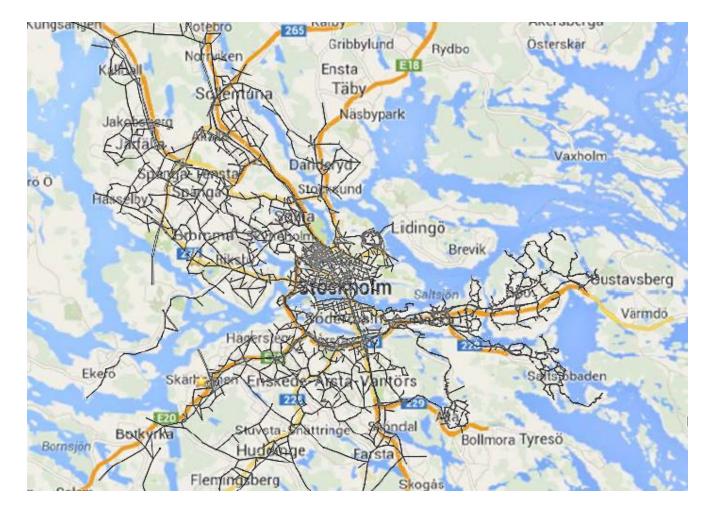
Dr. Anna Pernestål Brenden Researcher Project Manager Connected Mobility Arena



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Commuting traffic with cars in Stockhom

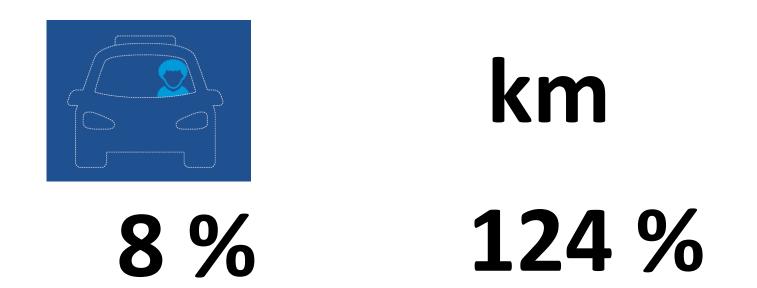




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Selfdriving car pool



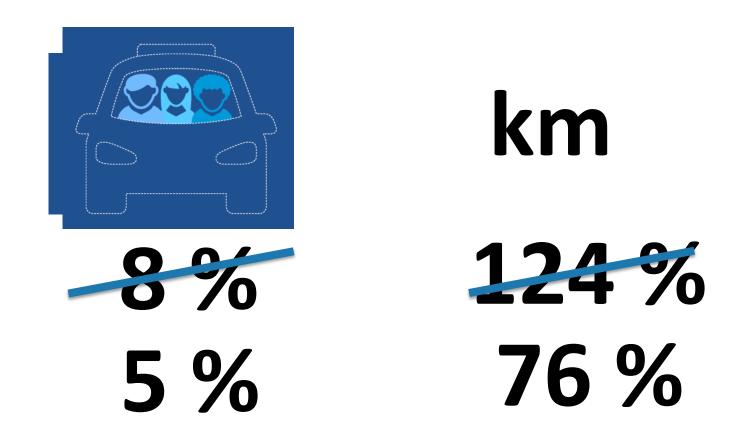
Burghout et al.: Impacts of Shared Autonomous Taxis in a Metropolitan Area, in Proc. of the Transportation Research Board Annual Meeting 2015.



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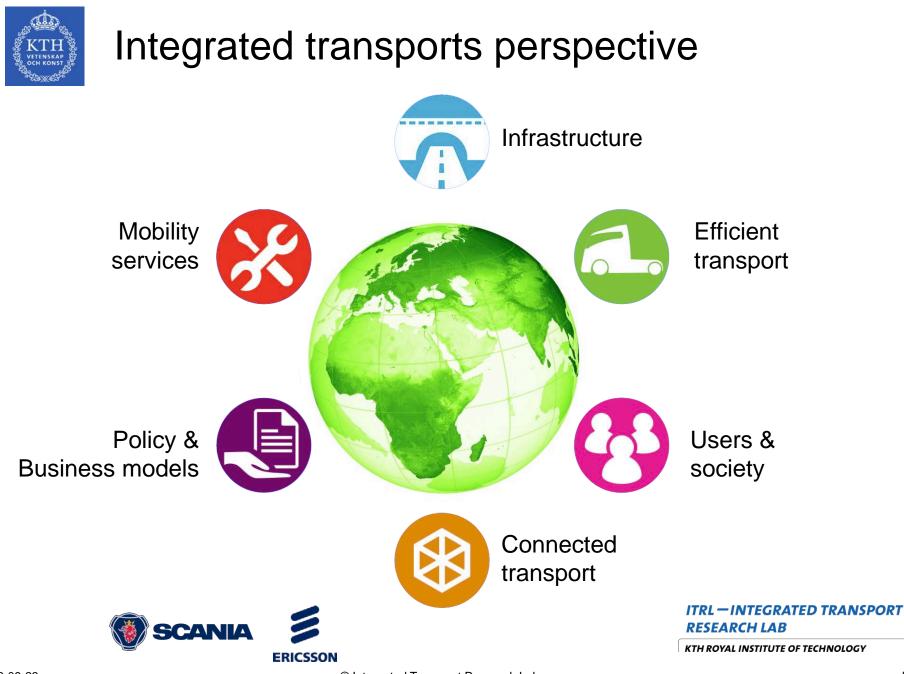
Selfdriving shared rides



Burghout et al.: Impacts of Shared Autonomous Taxis in a Metropolitan Area, in Proc. of the Transportation Research Board Annual Meeting 2015.

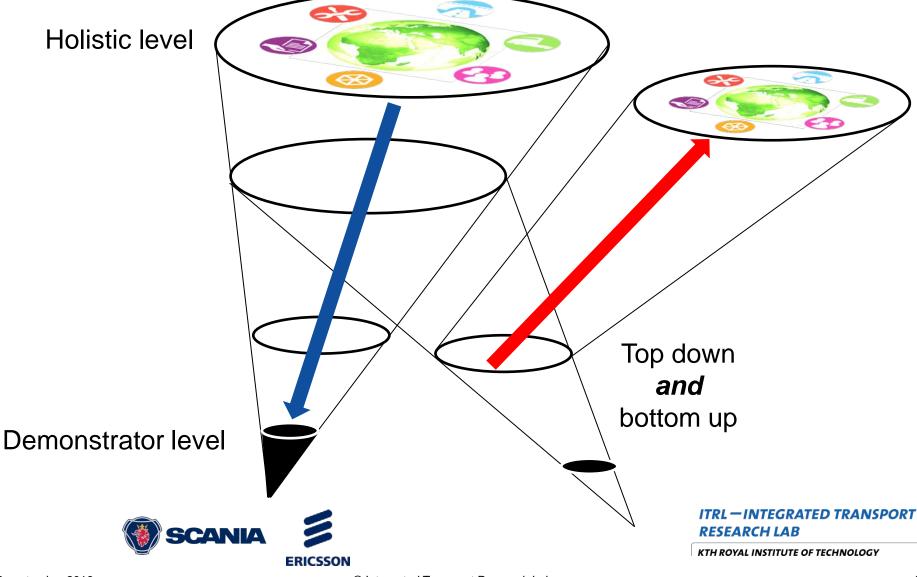


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Integrated research AND Demonstration

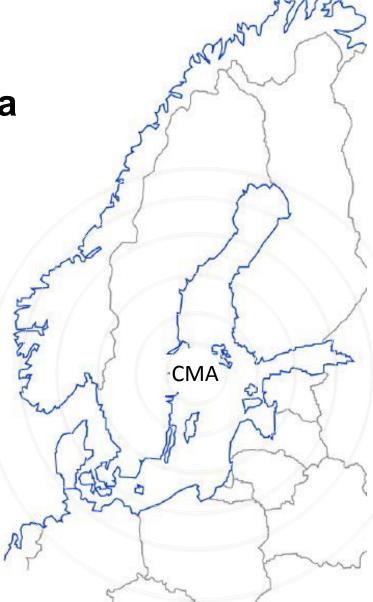
Holistic level





One Example: Connected Mobility Arena

- Create an open test environment / architecture using 5G cloud and automated fleets
- Aiming at public/shared transport
- A collaborative effort



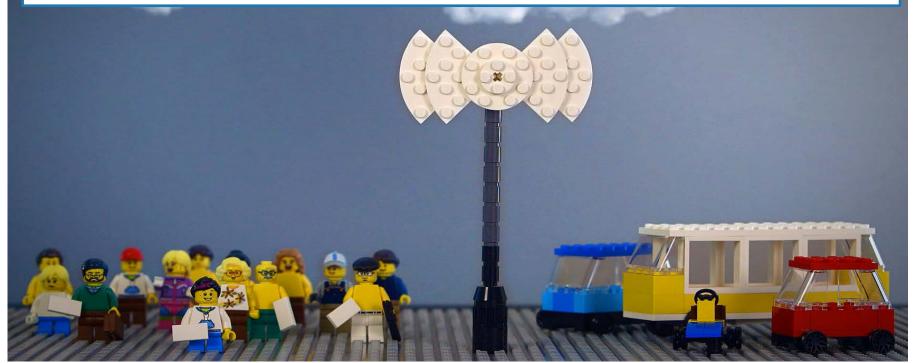
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Mobility tomorrow – the CMA vision

"Attractive and efficient shared mobility system that makes people leave their private car"





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Mobility tomorrow – 3 main system components

5G Cloud services

- demand prediction
- management of fleet
- traffic information

Service platform
- accurate, tailored information

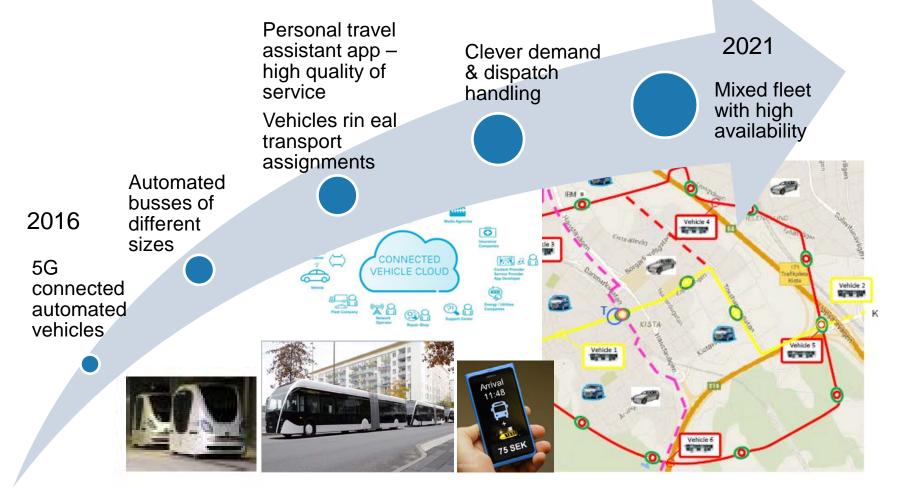
Mixed travel modes and fleets



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Yearly demonstrations of test site capabilities in Kista





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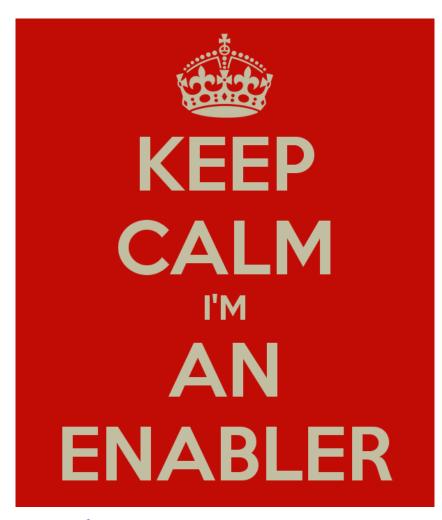
To summarize...



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... regarding selfdriving vehicles...





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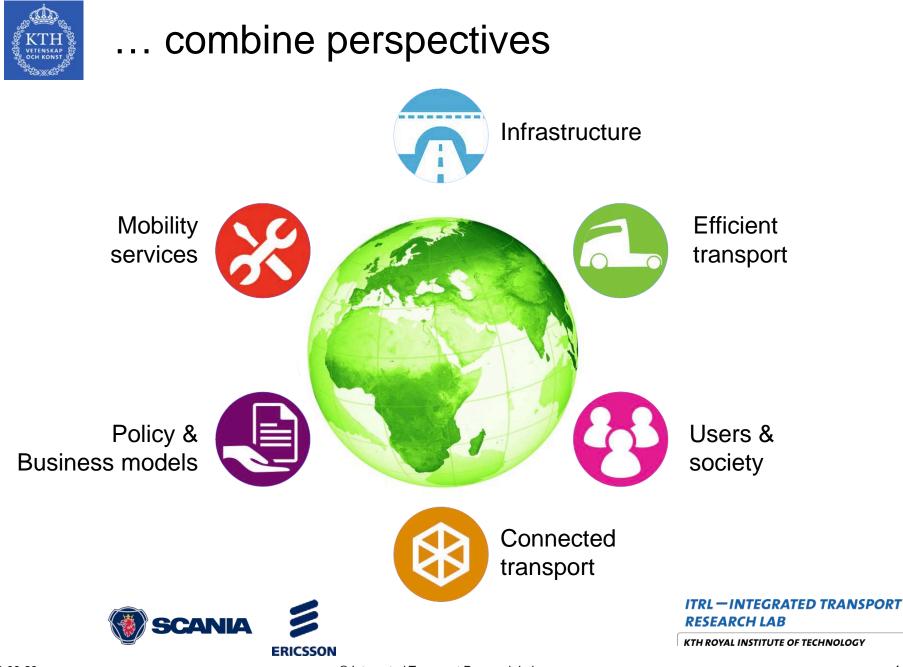


... sharing rides...





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