The Swedish Transport administration Electrification of road transports

EV100 Seminar 2022

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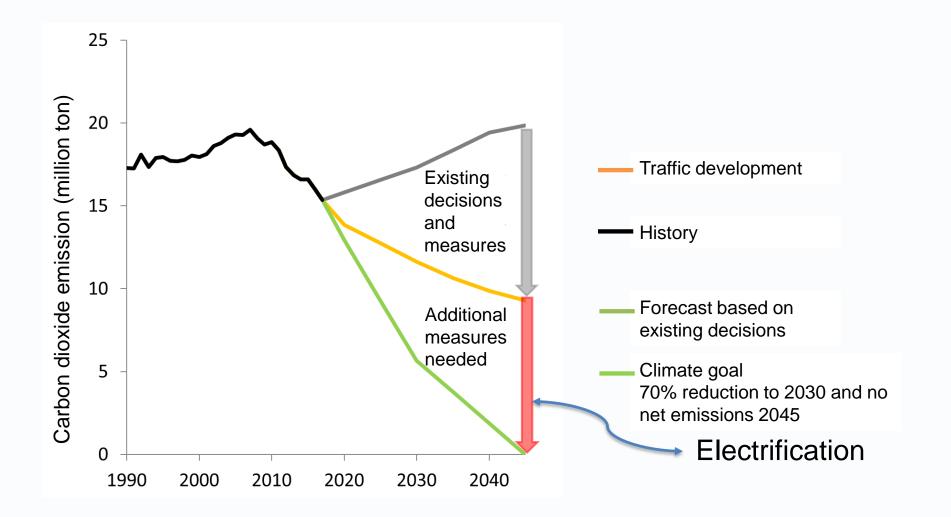


Why Electrifiaction?

- 25% off the CO2-emissions from the road transportsystem comes from freight transports
- Add also emissions from construction and maintenance vehicles
- We therefore need to free the transport sector from the use of fossile fuels
- Electrification is a solution for tomorrows fossile-free transportsystem







Reduction of greenhouse gases

Roadtransports will continue to dominate!

Probably need of different solutions:

- Increased efficiency in the transportsystem
- Biofuels
- Static charging Battery Electric Vehicles
- Dynamic charging Electric roads
- Hydrogen/Fuelcells
- Battery swapping







Demonstrating technologies on public roads is important!

Battery Swapping?

Create knowledge and acceptance!

Siemens Sandviken 2016-2020



EVolutionroad Lund 2020-2024







Smartroad Gotland Visby 2020-2024





Summary

- Lack of infrastructure for stationary charging is an obstacle for electrification of heavy transports and that infrastucture should be deployed now
- ERS is a solution for electrification of long distance transports.
- Hydrogen for transport cluster around industries that produce H2 or more?
- Battery swapping?
- During the upcoming years get more knowledge to remove uncertainties how road transports can be electrified including standarisations and regulations





Thank you for your attention!

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