

COPP PRIME

June 12,
2017



TRAFIKVERKET
SWEDISH TRANSPORT ADMINISTRATION

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SUSTAINABLE DEVELOPMENT GOALS



Accessibility in a sustainable society



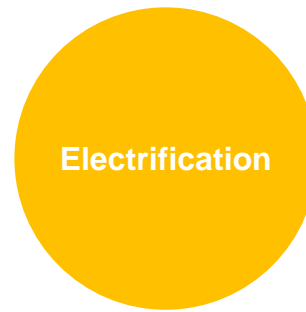
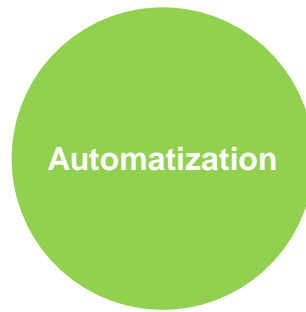
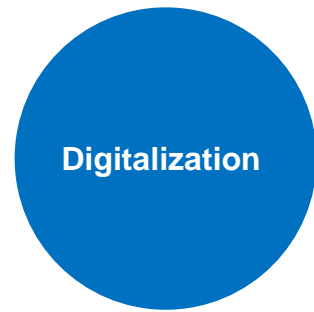
- A good accessibility is needed in a sustainable society
- Accessibility needs to develop within the frame of a sustainable society.

We need to look for synergies between different objectives:

- Climate
- Biodiversity
- Air quality
- Noise
- Traffic safety
- Active travel
- Accessibility in the whole country
- Accessibility for all
- Easy and robust
- Secure



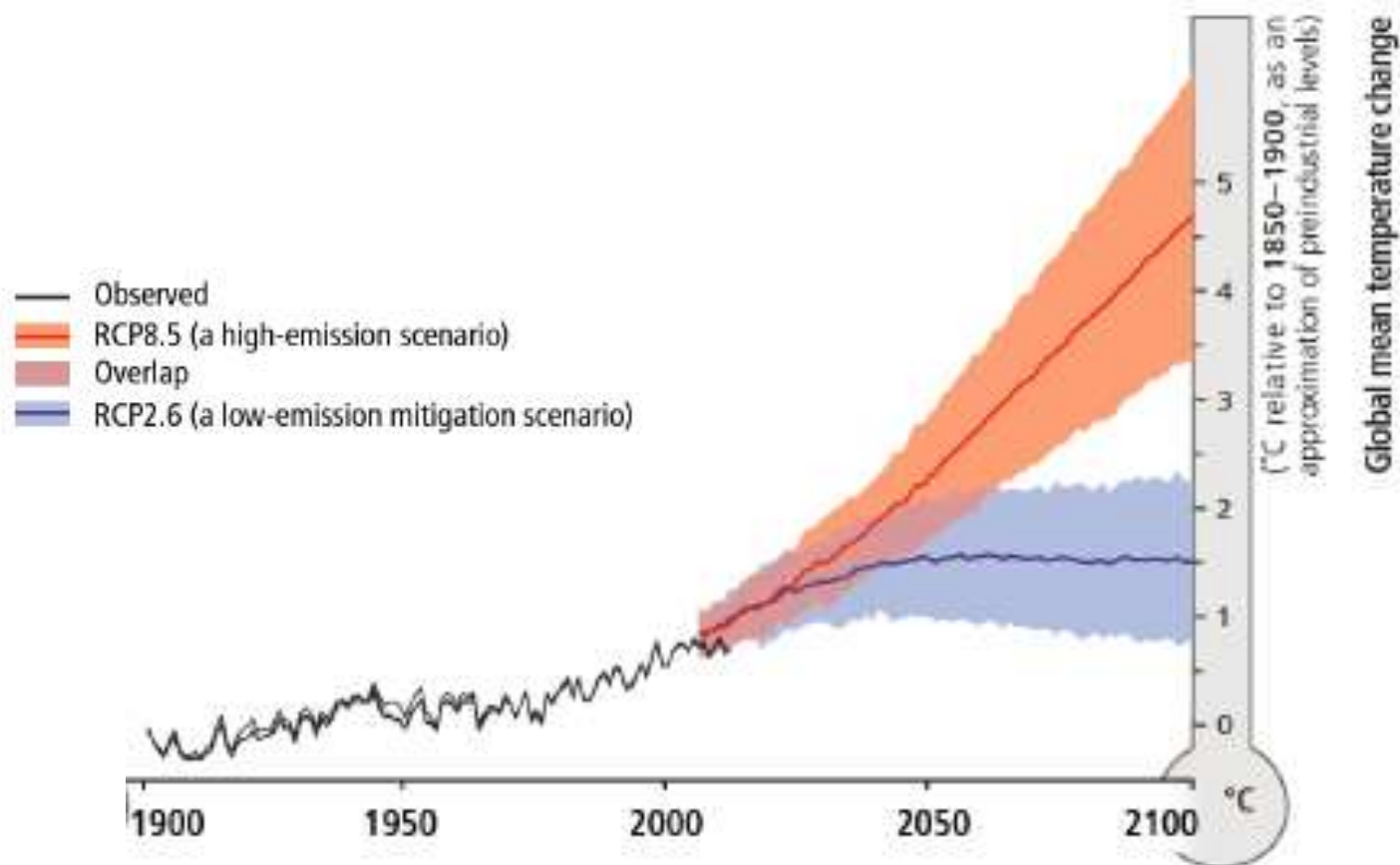
New powerful tools to make society more sustainable:



The Paris agreement



IPCC still gives us a chance to change



Källa: IPCC, 2014, AR5

The Swedish national climate target:

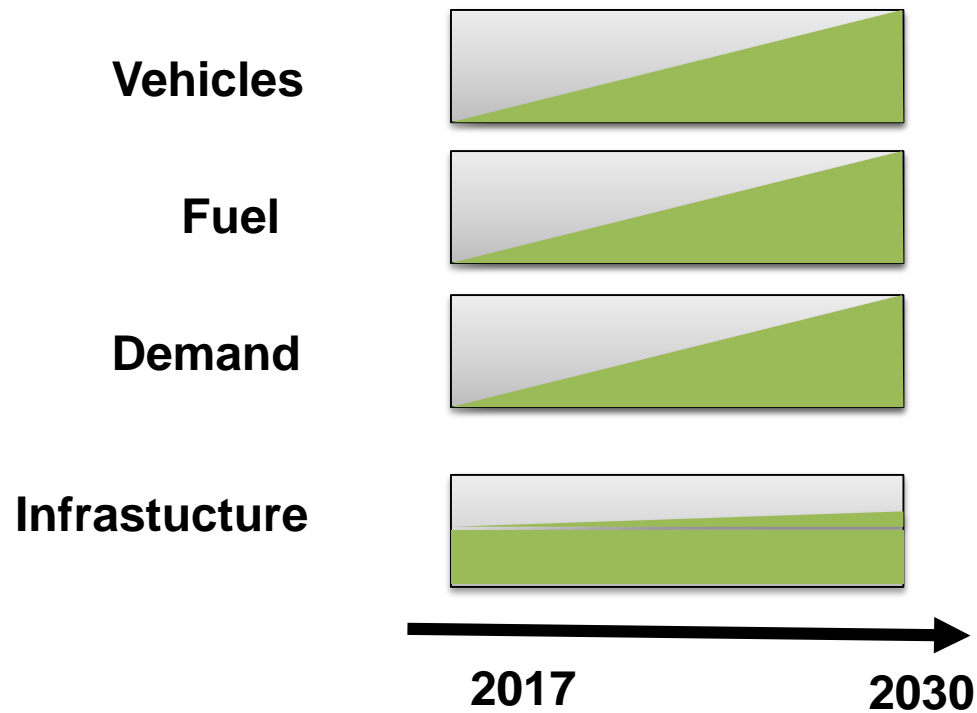
- To reduce carbon emissions in domestic transport by at least 70 % before 2030 compared to 2010.



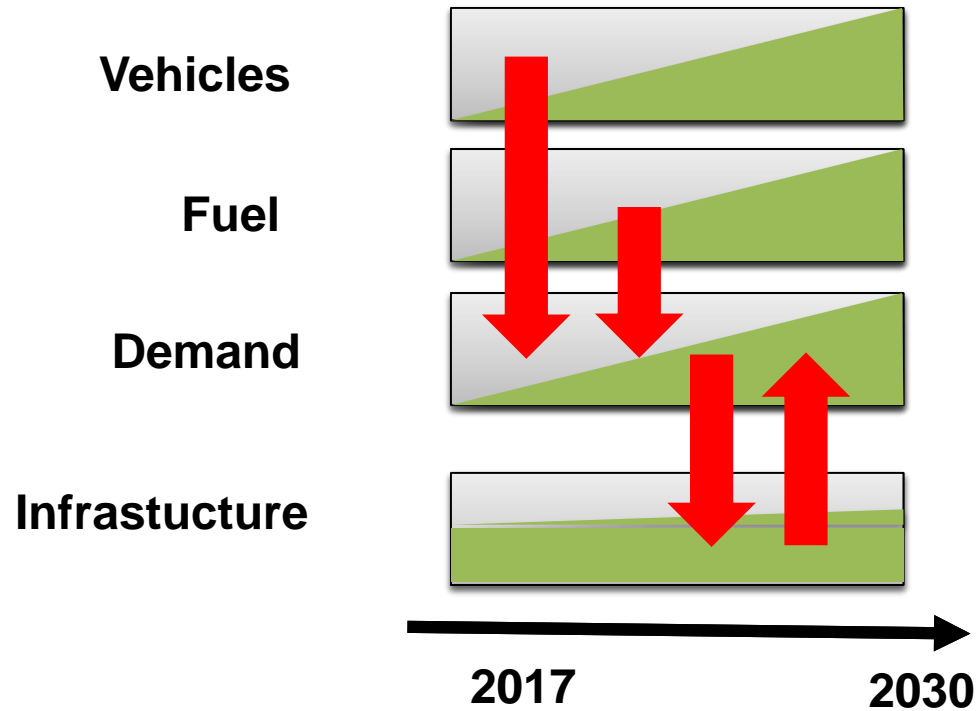
A strategic plan for a fossil free transport sector in Sweden

From six government agencies.

Three pillars for reducing carbon emissions



Three pillars for reducing carbon emissions

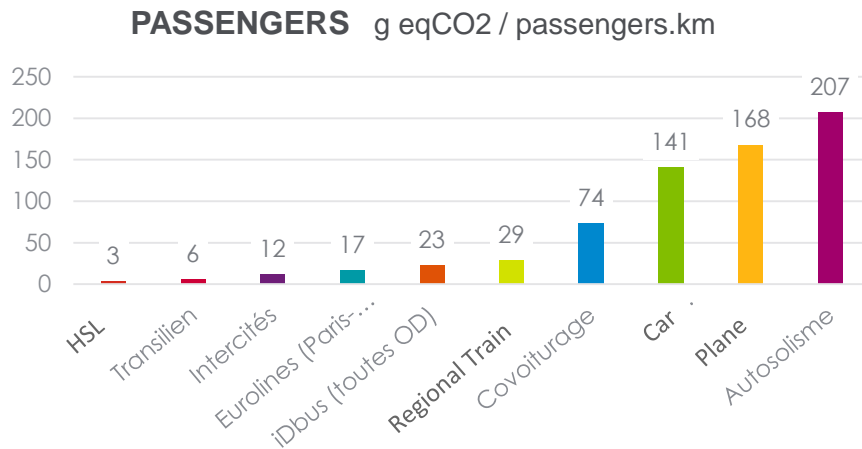


We need policy measures on all levels, both carrots and sticks.

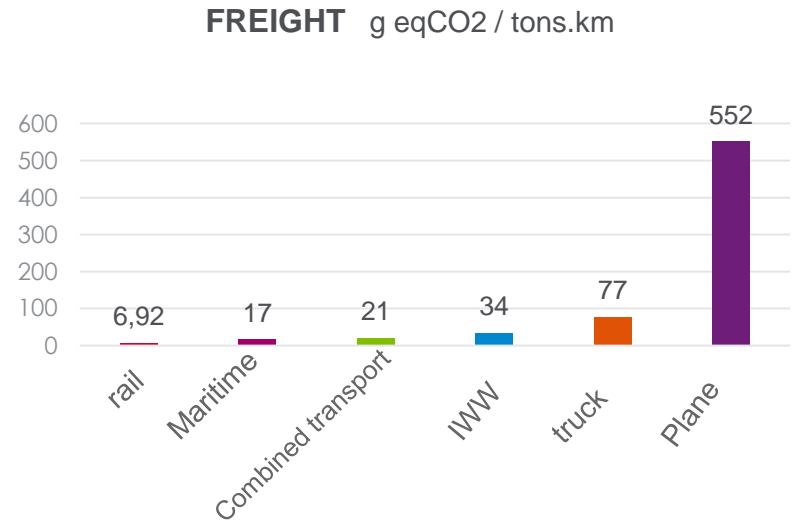


RAILWAYS ARE CARBON FRIENDLY

A passenger in a train emits **10 to 20 times** less carbon than a passenger in a car or a plane, depending on the carbon intensity of energy



Sources : SNCF (2014), Eurolines (2014), DGAC (2014), base Carbone ADEME (2015)



Sources : Fret SNCF (2014), SNCF Logistics (2011), ADEME



Two Demo sites on e-highway

Gävle opened June 2016

Scania/Siemens 40 ton

5 axles semitrailer

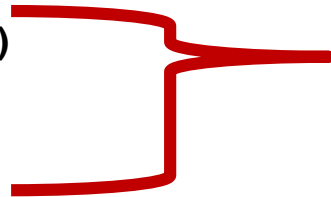
E16 outside Sandviken Sweden



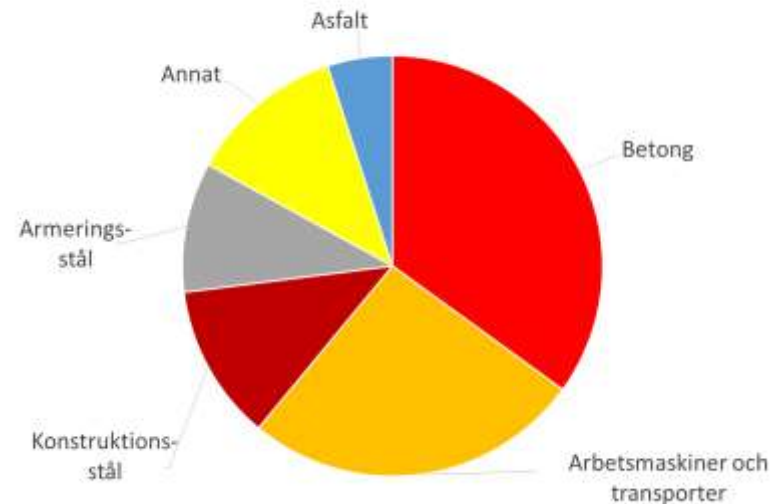
In development/construction Elways
Arlanda road 893

Don't forget the life cycle emissions of the infrastructure.

- **Traffic (80 %)**
 - Direct emissions
 - Indirect from fuel
- **Vehicles (10-15 %)**
 - Construction
 - Service and maintenance
 - Scrapping
- **Infrastructure (5-10%)**
 - Construction
 - Land Use change
 - Maintenance



Klimatpåverkan från infrastrukturen i nationella planen



Climate demand on our infrastructure procurement

- Since 2016 we demand less climate impact in new infrastructure projects.
- Procurement demands:
 - 15 % reduction to 2020 and 30 % reduction to 2025 compared to 2015.
 - vision of a carbon neutral infrastructure to 2045/50

