Statens vegvesen
Norwegian Public Roads Administration

Sustainable Infrastructure

Teknologidagene, Sept. 20, 2016

Mohammed Hoseini

mohhos@vegvesen.no

Statens vegvesen
Norwegian Public Roads Administration

Climate strategy in NTP:

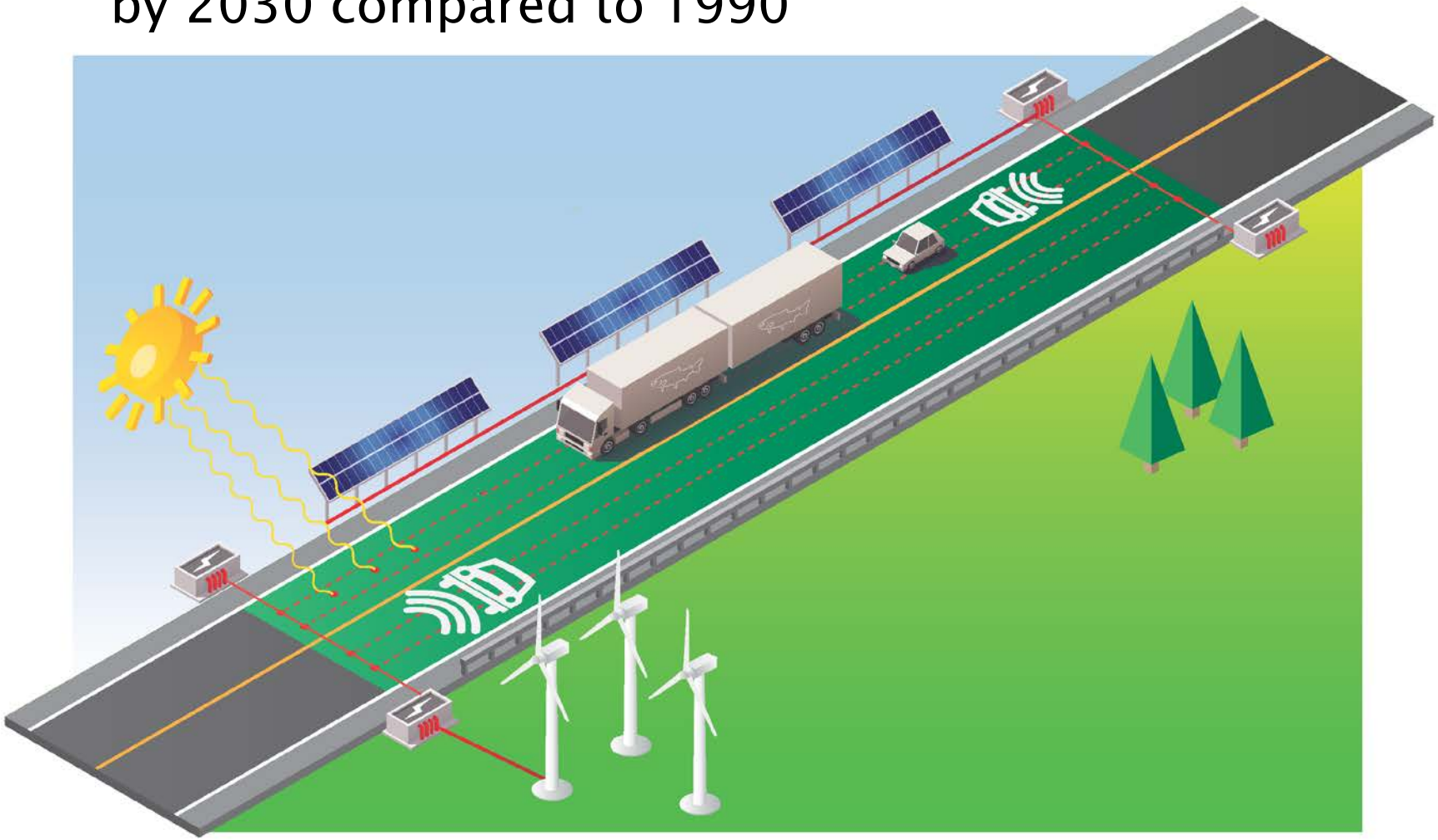
Zero emission target for road transport:

- Zero emission by 2025, private vehicles, buses and light commercial vehicles
- Zero emission by 2030, new heavier vans, 75% of new long-distance buses, 50% of new trucks be zero-emission vehicles
- Zero emission / climate neutral road transport by 2050

Statens vegvesen

Climate target in Norway

Reducing at least 40% greenhouse gas emissions by 2030 compared to 1990

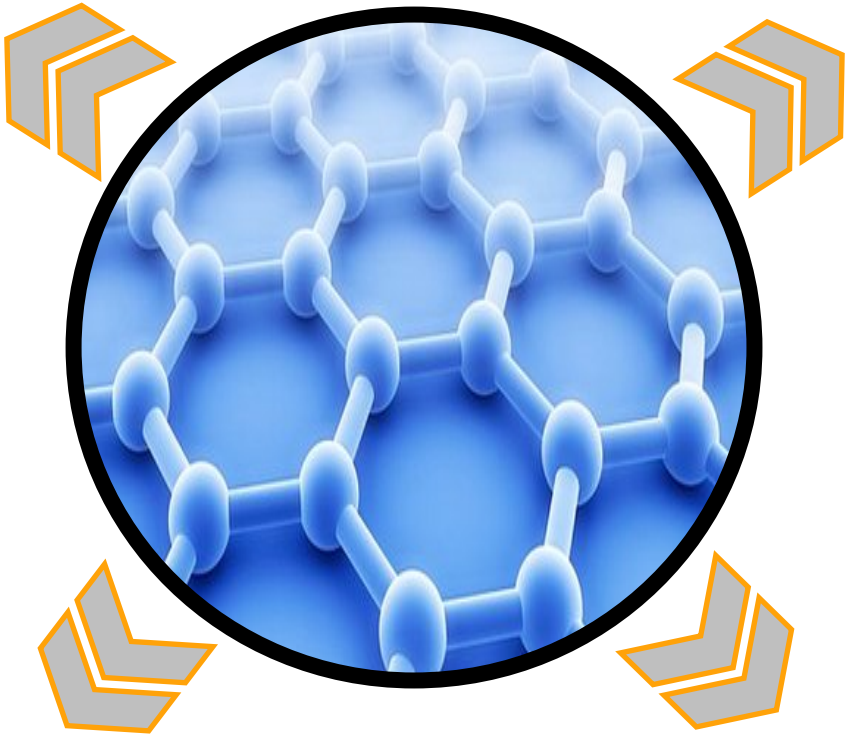


Sustainable Infrastructure

Statens vegvesen
Norwegian Public Roads Administration

Energy

Greener road



Future-proofing

Greener traffic

Aim

Contribute to a more sustainable E39!

Statens vegvesen
Norwegian Public Roads Administration

- Energy
  - Energy harvesting
  - Energy efficiency measurement
- Greener road construction
  - Innovative material & structures (more durable & less material use)
  - Reducing material transport & reuse/recycling
  - Reducing emissions for operation & maintenance
  - Reducing environmental impact (biodiversity, noise, air quality etc.)
- Greener road traffic
  - Reducing emission by road design
  - Electrification of road transport
  - Adapting E39 for zero-emission road traffic
- Future Proofing E39
  - Adaption of E39 to automated vehicles
  - Preparing for interaction vehicle-infrastructure
  - Intelligent and automated infrastructure

Statens vegvesen
Norwegian Public Roads Administration

3 PhD/PostDoc under planning…

50 PhD /Post Doc ongoing June 2016

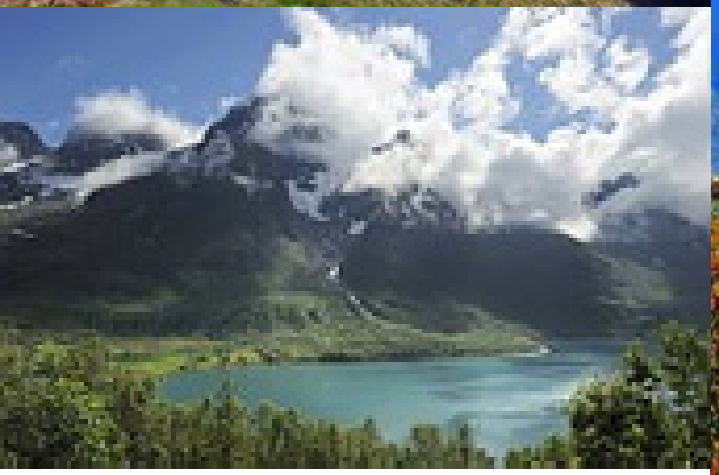
Foto: K. Dunham

E39 Rogfast sub-sea road-tunnel

21/09/2016

National Tourist Route
AURLANDSFJELL

National Tourist Route
SOGNEFJELLET



Thank you!