

# *The end of the ICE-age? a snapshot of Norway*

EVI PCP-meeting Helsinki, 27-28<sup>th</sup> May 2018

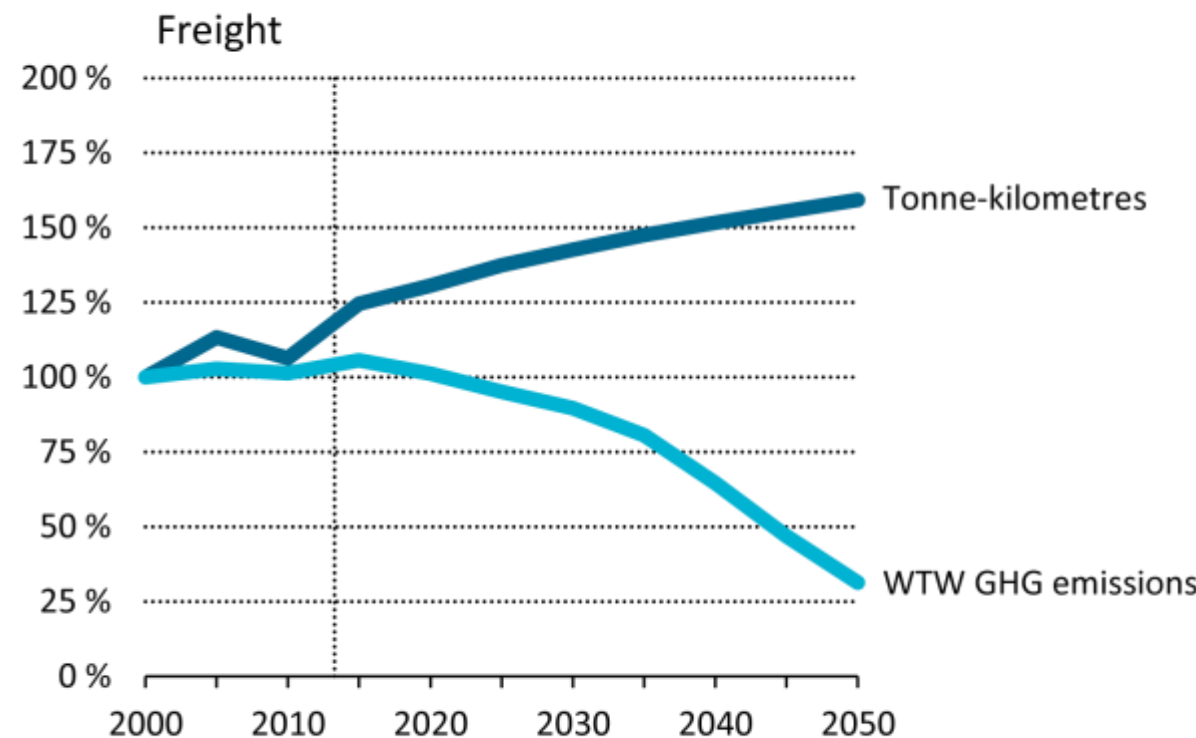
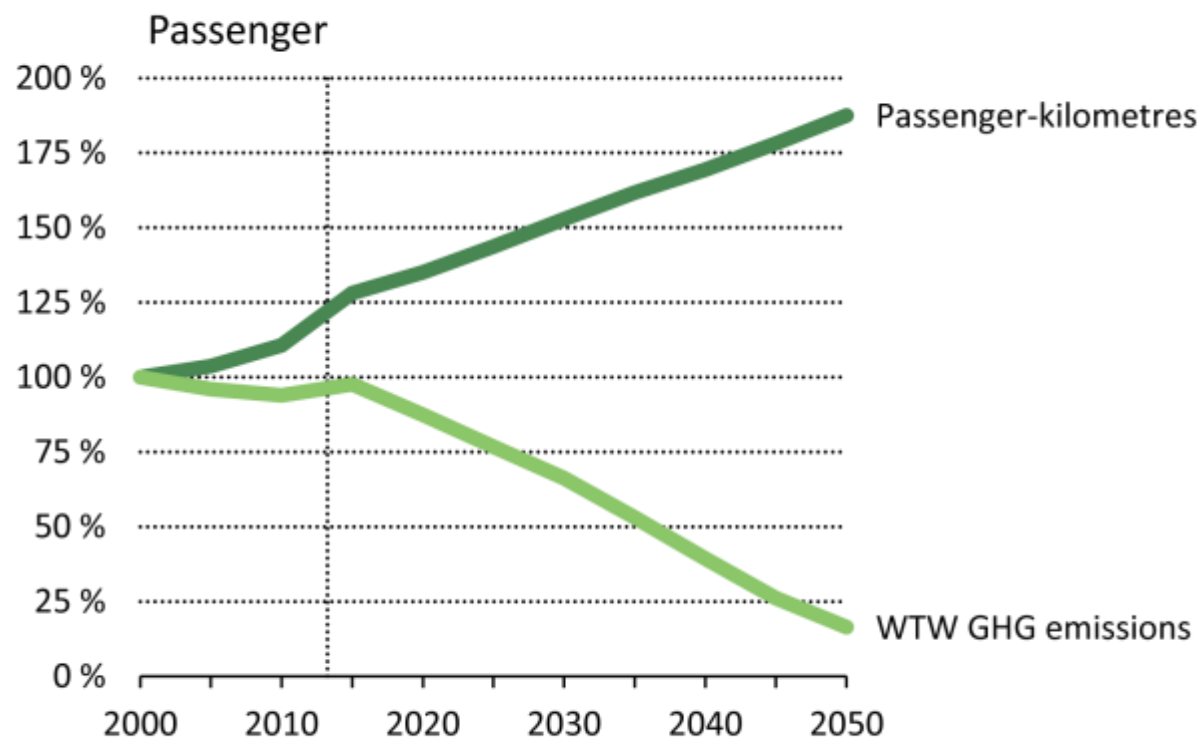
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Senior Adviser



# Nordic Council of Ministers



# The common Nordic challenge – transport



- Ensure Nordic dimensions in existing national research efforts.
- Promote Nordic content at conferences and workshops.



# Key features:

Electricity mix:

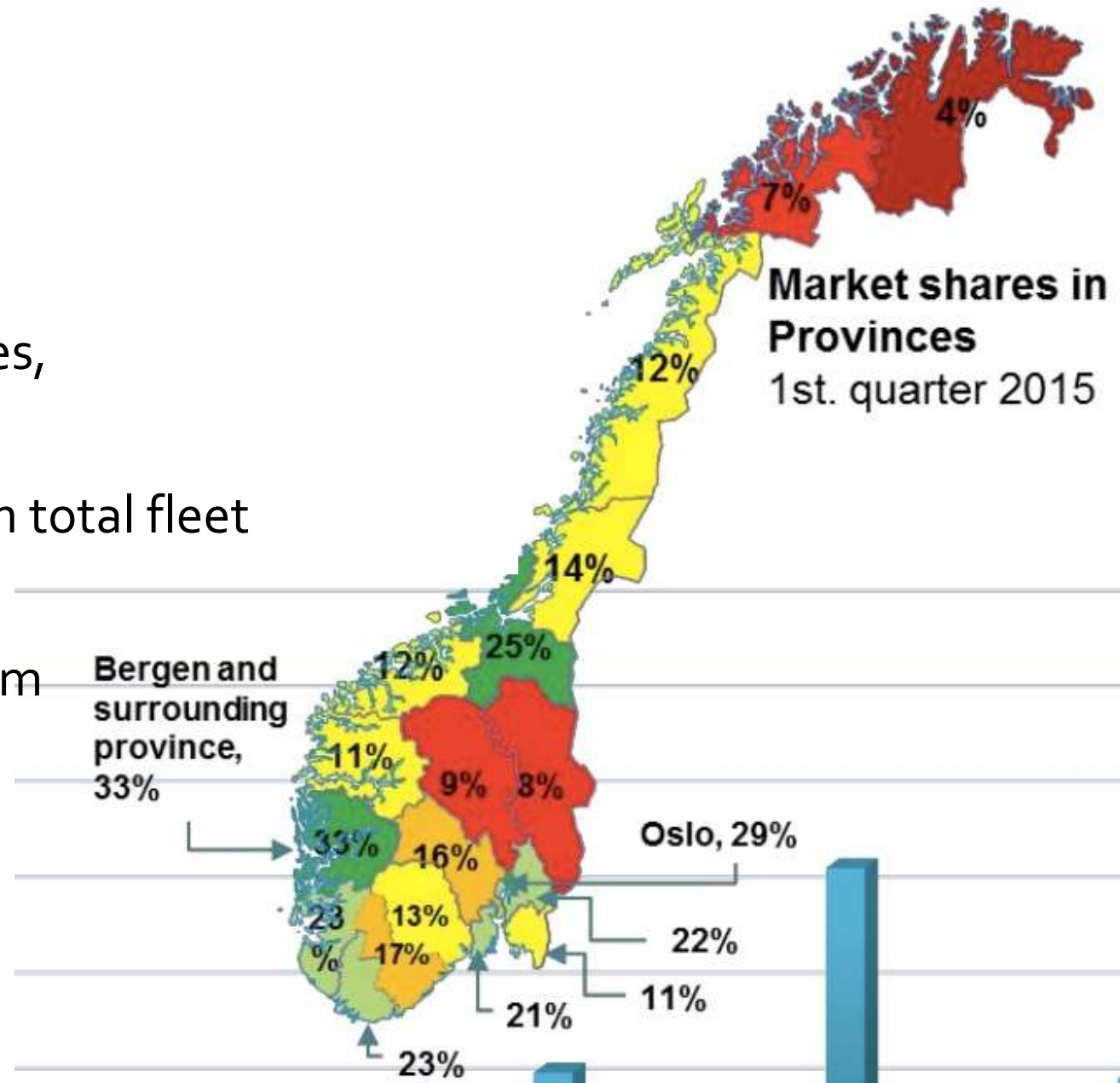
97% hydroelectric, 1% wind

85% of households have vehicles,  
42% more than one

2.5 million passenger vehicles in total fleet

Yearly driving distance 13 000 km  
50 years of high vehicle taxes

Source: COMPETT 2015



# Cities competing for EV-leadership (2017)

	Oslo	Bergen	Stavanger	Trondheim
Registered EVs	19.821	10.896	2.807	4.675
% Stock	6,9	9,6	4,7	5,9
% Sale	25,8	27,4	20,5	17,1
Public EV-fleet	60%	27%	9%	35%



# The history of Norwegian EV-incentives

1. No vehicle registration tax (1996)
2. Free toll roads (1997)
3. Free public parking (1998)
4. Free public charging
5. No VAT on EVs (2001)
6. Access to bus lanes (2003)
7. Reduced annual tax (2005)
8. Reduce fees on ferries (2009)



# Recent changes in EV-policies

- BEVs in bus lanes in Oslo require carpooling during rush hours (2015)
- Municipal parking fees up to cities to decide (2017) (max 50%)
- Zero annual road tax (2018)
- 40% reduced company car tax (2018)
- Half price on ferries (2018)
- Zero re-registration tax for used zero emission cars (2018)
- Reduced incentives for PHEVs (2018)



**100.000 EL  $\approx$  17 years**  
**100.000 EK  $\approx$  2 years**  
**EV introduced in 2018  $\approx$  ?**



# Waiting for an EV...

Backlog:

Kia Niro 16:000,

Jaguar Pacer 1200,

Audi Q7 E-tron 1000 ,

Tesla Model 3 ?

Opel Ampera, 2-year delay 4000



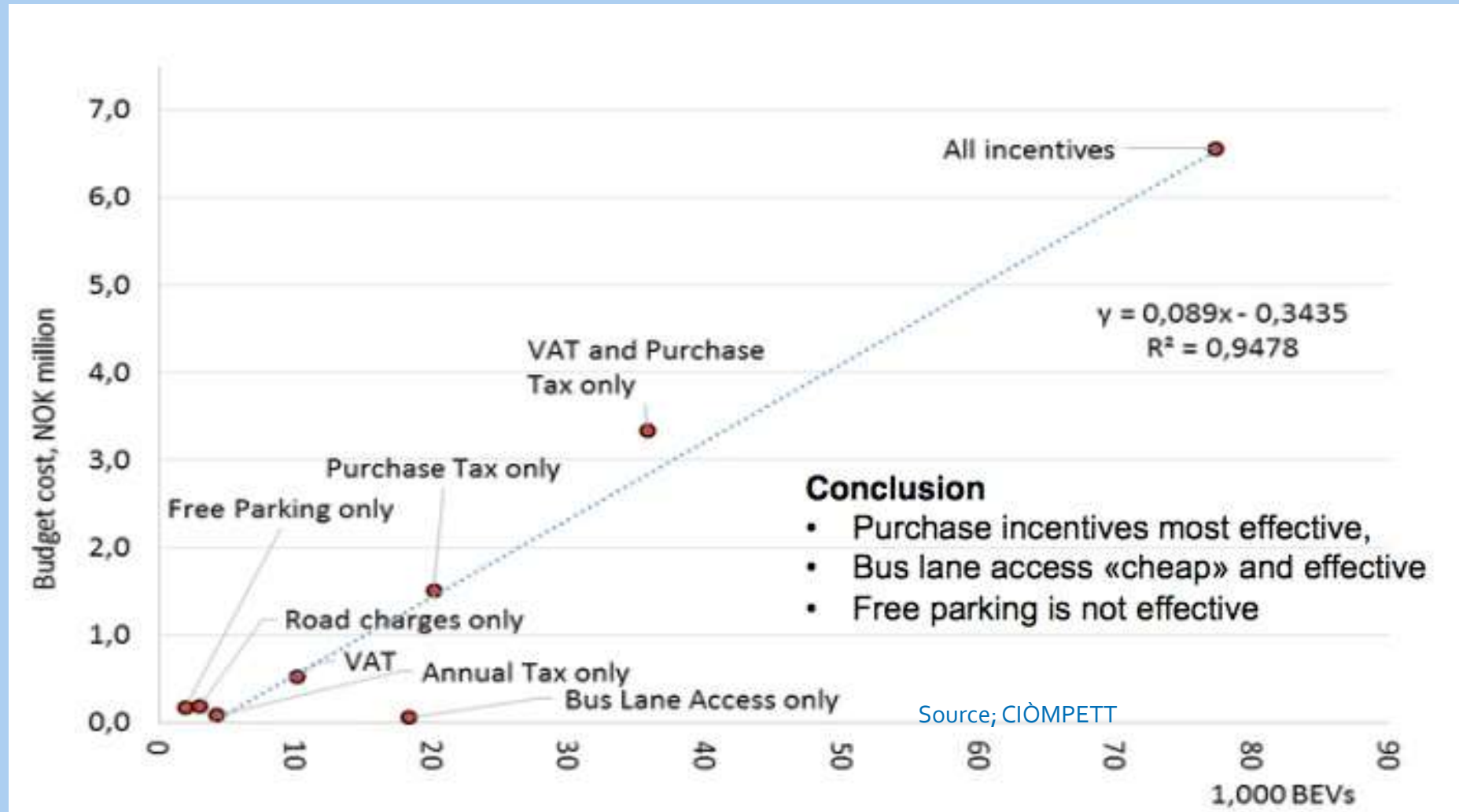


# Is the EV-revolution sustainable?

1. From testbed country to just another and small market?
2. Phasing out incentives?
3. Will increasing loss of tax revenues be accepted?
4. Will EV-owners and prospective buyers trust politicians?



# Loss of tax income from EVs in Norway



# Going electric - not just EVs...





**NORDIC EV**  
*Summit*

# **NORDIC EV SUMMIT**

– Planet electric