Greener Trondheim (Miljøpakken)

Urban mobility in Trondheim

Vision - strategy - projects

Richard Liodden Sanders  WINSPIRE workshop 27th February 2019
Greener Trondheim

10 goals
• Zero growth in car traffic, despite population growth (3 % yearly)
• 20 % reduction in emissions
• Ambitious but achievable goals

Balanced resources
• 50 % new roads
• 50 % to non-car (public transport, cycling, walking, safety, noise, info)

Strong political engagement
Whip and carrot
Tolling system

21 collection points
Annual revenues:
2010 – 2014: NOK 230 Million
After 2014: NOK 500 Million

Secures project funding
Reduces car use
14 % reduction of traffic through the toll barriers 2009–2017.
Main road projects and bypasses
Public transport

• More environment-friendly buses (natural and biogas)
• More frequent departures
• Modest pricing – larger Trondheim
• Growth: 60 % past years
• Since 2016: park and ride systems outside town
Walking
"Reiserådgiving" – Mobility advice

- Advice to work places (nudging)
- Counting driving of school kids to schools
- Bike service
- Cycling friendly work place
Cycling infrastructure
Goal: Safe and attractive
Significant changes in transport modes
Trondheim 2009/2010 to 2017
National travel survey 2013/14

Source: TØI 2014 Den nasjonale reisevaneundersøkelsen 2013/14 - nøkkelrapport
Counting cyclists

Døgntrafikk Elgeseter bru sum begge sider

Månedstrafikk sykkel 2016 -2017
Increased walking and cycling 2010-2017
Unravelling - separating from main roads
Network planning
Strava heatmap ("cycling as a sport")
Balanced view: Cyclist with Sense.DAT app - Sykkeltelledugnaden 2017
Example: Harbour area
Example: visualizing cycling routes
Example: Cycling “highway”
Example: cycle lanes in town centre
Example: Attention to context
- Cycling road
Rebuilding: less room for cars, more for people
Example: Experiment in Innherredsveien
Rebuilding: less room for cars, more for people
Experiments: Olav Tryggvason's gt.
Enhanced winter maintenance

http://www.nrk.no/
Thank you!