Mobility management during infrastructure construction

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Camille Delepierre
Specialist mobility management during infrastructure construction
camille.delepierre@trafikverket.se

Today

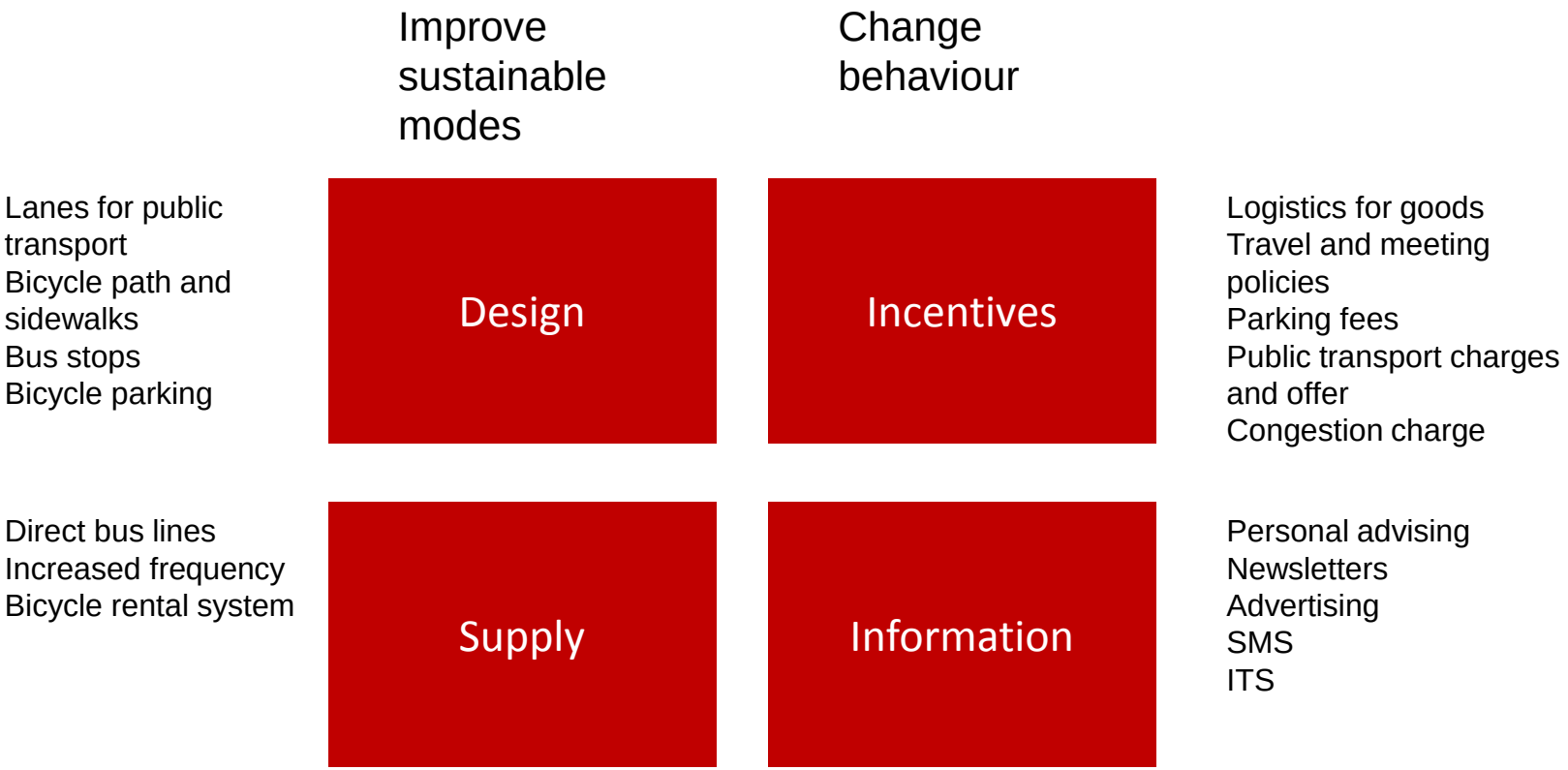
- What is mobility management during infrastructure construction?
- Our tools
  - Requirements
  - Monitoring
  - Measures
- Successful examples
- Discussions

Mobility Management during infrastructure construction

- It is about ensuring/prioritizing the accessibility, comfort and traffic safety for pedestrians, cyclists and public transportation during the infrastructure constructions to reach our vision “Everybody arrives smoothly, in a green and safe way.” (even during infrastructure construction).
- Surface-effective measures
- Construction phase as potential for mobility shift
- Positive effects that last

Hard and soft measures in combination

Mobility management in construction phase also include hard measures



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Our tools

- Better **requirements** to reach a good enough accessibility, availability and safety for pedestrians, cyclists and public transport when we build.
- Better **monitoring of the requirements and goals**
  - In the usual monitoring systems
  - By reference users group

- Mobility management **measures** implemented during the infrastructure construction
  - Changing the attitudes in the constructing sector
    A 2 hour training for our building contractors – accessibility for pedestrians, cycle and public transport in constructions phase
  - Dialog with households
  - Testing electric bicycle
  - Business communicator and advisor

Reference users group

- 2 months pilot – winter 2017
- 10 bicycle commuters, through the construction project area
- 12 comments came in, 8 about the project, 6 were corrected
- Feed-back every 3 weeks per mail

- Cyclists and the project very satisfied

A 2 hour training for our building contractors

- Changing the **attitudes** in the constructing sector about the accessibility for pedestrians, cycle and public transport during infrastructure construction
  - Project specific
  - Lift the importance of maintaining/ensure/prioritising accessibility for pedestrians, bicycle and public transport
  - Lift that the building contractor has a key role

Link to film: https://www.youtube.com/watch?v=Q5WGKRllXKY&feature=youtu.be

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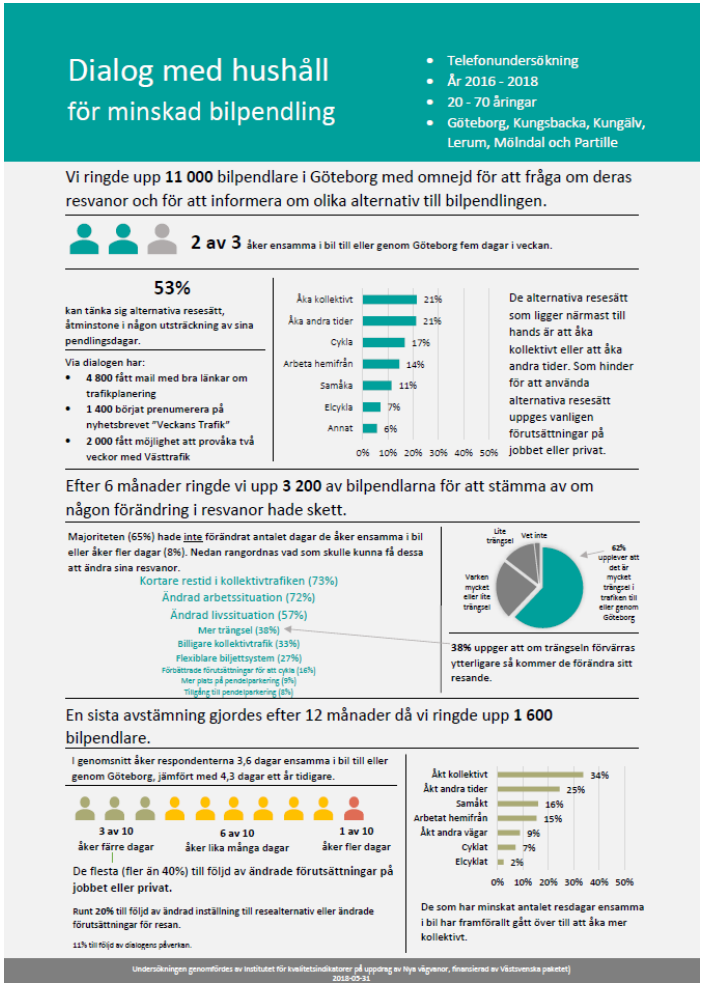
Dialog with households

- 2016-2018
- 11 000 car commuters in Gothenburg
- Ask about their travel behaviour and inform about alternatives
- 53% consider alternative travel behaviour to some extent
- 1600 were called one year after. Respondents commute by car alone 3.6 days, instead of 4.3 days per week when they were asked a year earlier.
- 10 % reduction because of the dialog with households measure.



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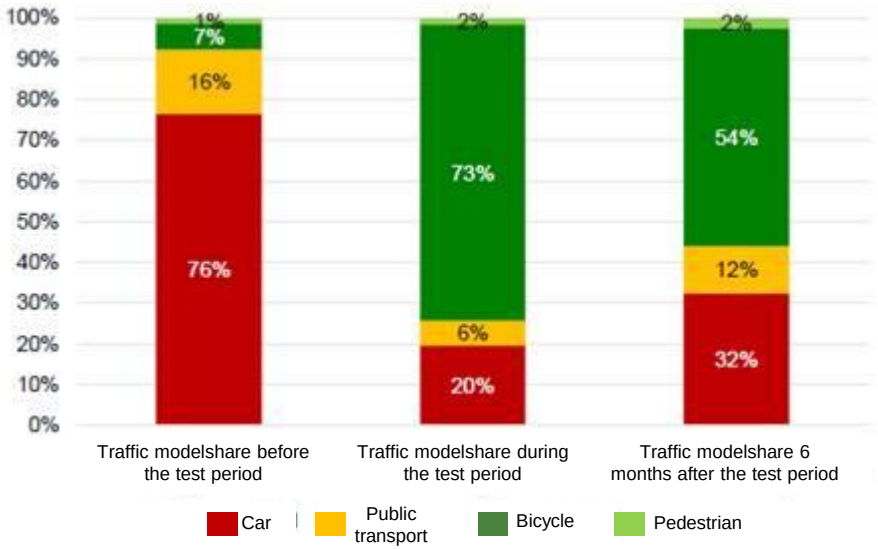
Test electric cyclist

- Autumn 2016 and spring 2017
- 200+200 e-bikes for car commuters during 13 weeks
- CO2 emissions from 30 tons to 20 tons during one test period

- 7% cycled before test period
  73% during
  50% 6 months after



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Business communicator and advising

- Business communicator in Gothenburg
  - 3 years, 500 meetings, 6000 people, reached to 260 000 workers
  - West Swedish Agreement, 3,3 billions euros, investment in infrastructure, large impact on traffic during infrastructure constructions, -20% of car traffic in rushing hours.

- 5 businesses next to Gothenburg central station, 3000 employees
- Target: decrease car traffic 7-8 in the morning by 15%, =250 cars on each direction.
- Travel habits survey, collaboration about mobility management measures => decrease 1192 car trips/23% of the traffic per week.

Successful implemented examples

Road 155 - Gothenburg

- Mobility management including extra bus lanes, new bus route, extra commuter parking.
- Results: traffic volumes reduced by 12% during peak hour in construction phase, while the share of public transport increased

E18 Hjulsta-Kista – Stockholm

- Mobility management including event with business, test cyclists, new bicycle paths and routes with improved information and improved winter maintenance etc.
- Results: 32 % reduction of car traffic in the morning peak hour and increased share of public transport and cycling

Discussions

- Mobility management in infrastructure construction as a tool to decrease CO2 emissions
  - Status in other countries?
  - Funding issue
    - Decision April 2018

- Organisation development
  - From being employed in the Gothenburg/the West Swedish Agreement to specialist
  - From mobility management in infrastructure construction to traffic during construction phase?
  - Status in other countries?

Thank you for your attention!

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